



SAMSUNG

LCD TV

LE26R51BD
LE26R41BD
LE32R51BD
LE32R41BD

- AFTER SALES SERVICE

- Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.



SAMSUNG

ELECTRONICS

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

**ON-SCREEN MENUS
PC DISPLAY
PICTURE IN PICTURE (PIP)
TELETEXT**

This device is a Class B digital apparatus.

Register your product at
www.samsung.com/global/register

Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen.

WARNINGS:

Image retention, commonly known as screen burn-in, can occur on most types of television if the same image is displayed continuously.

The most common causes of image retention are logos that remain stationary on the TV screen. These logos are common on many programmes received via a Setop Box. To reduce this risk, avoid displaying still images for long durations and lower the brightness or contrast settings to decrease the intensity of the picture.

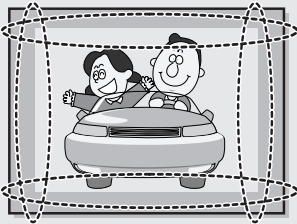
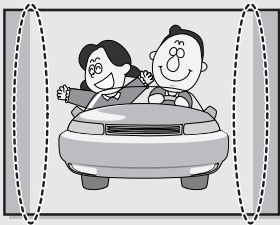
Extended viewing of movies and programs in aspect ratios that are different from the aspect ratio of the TV may cause image retention. Always endeavour to avoid black borders top or bottom by using the zoom function. This will help eliminate the black borders and fit the picture to the entire area of the screen.

Using a video game console may cause image retention and is not recommended.

When using a PC input, avoid displaying still images for long durations and reduce the brightness or contrast settings to decrease the intensity of the picture.

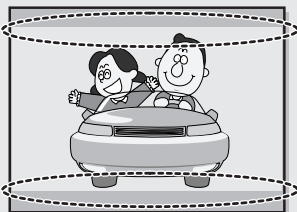
IMPORTANT:

Image retention issues are not covered by your Samsung® warranty.



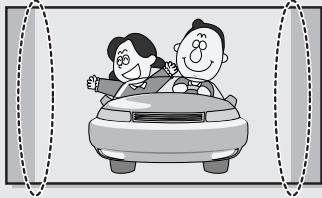
Note : If there are borders around the displayed picture (top or sides), then extended viewing could result in the border leaving a trace image on the screen.

Do not leave the screen in pause mode for extended periods of time as you may experience temporary or permanent image burn.



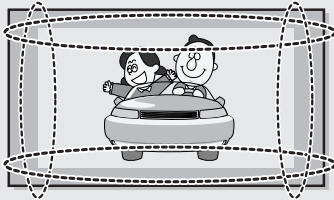
Note : If there are borders around the displayed picture (top or sides), then extended viewing could result in the border leaving a trace image on the screen.

Do not leave the screen in pause mode for extended periods of time as you may experience temporary or permanent image burn.



Note : If there are borders around the displayed picture (top or sides), then extended viewing could result in the border leaving a trace image on the screen.

Do not leave the screen in pause mode for extended periods of time as you may experience temporary or permanent image burn.



Note : If the borders at the left, right and the center of the screen remain fixed for an extended period of time, the amount of light transmission will also remain varied and as a result the borders may leave traces.

Do not leave the screen in pause mode for extended periods of time as you may experience temporary or permanent image burn.

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Symbols



Press



Important



Note

Viewing the Control Panel

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1 SOURCE

Displays a menu of all of the available input sources (TV, DTV, Ext.1, Ext.2, AV, S-Video, Component, PC, HDMI).

You can also use the SOURCE  button on the TV's control panel to make selections.

2 MENU

Press to see an on-screen menu of your TV's features.

In case of DTV mode, the DTV menu appears.

3 - ▲ +

Press to decrease or increase the volume. Also used to select items on the on-screen menu.

4 ∨ C/P. ∅ ∨

Press to change channels. Also press to highlight various items on the on-screen menu. (Without the Remote Control, You can turn on TV by using the Channel buttons.)

5 (Power)

Press to turn the TV on and off.

6 Power Indicator

Blinks and turns off when the power is on and lights up in stand-by mode.

7 Light Detecting Sensor

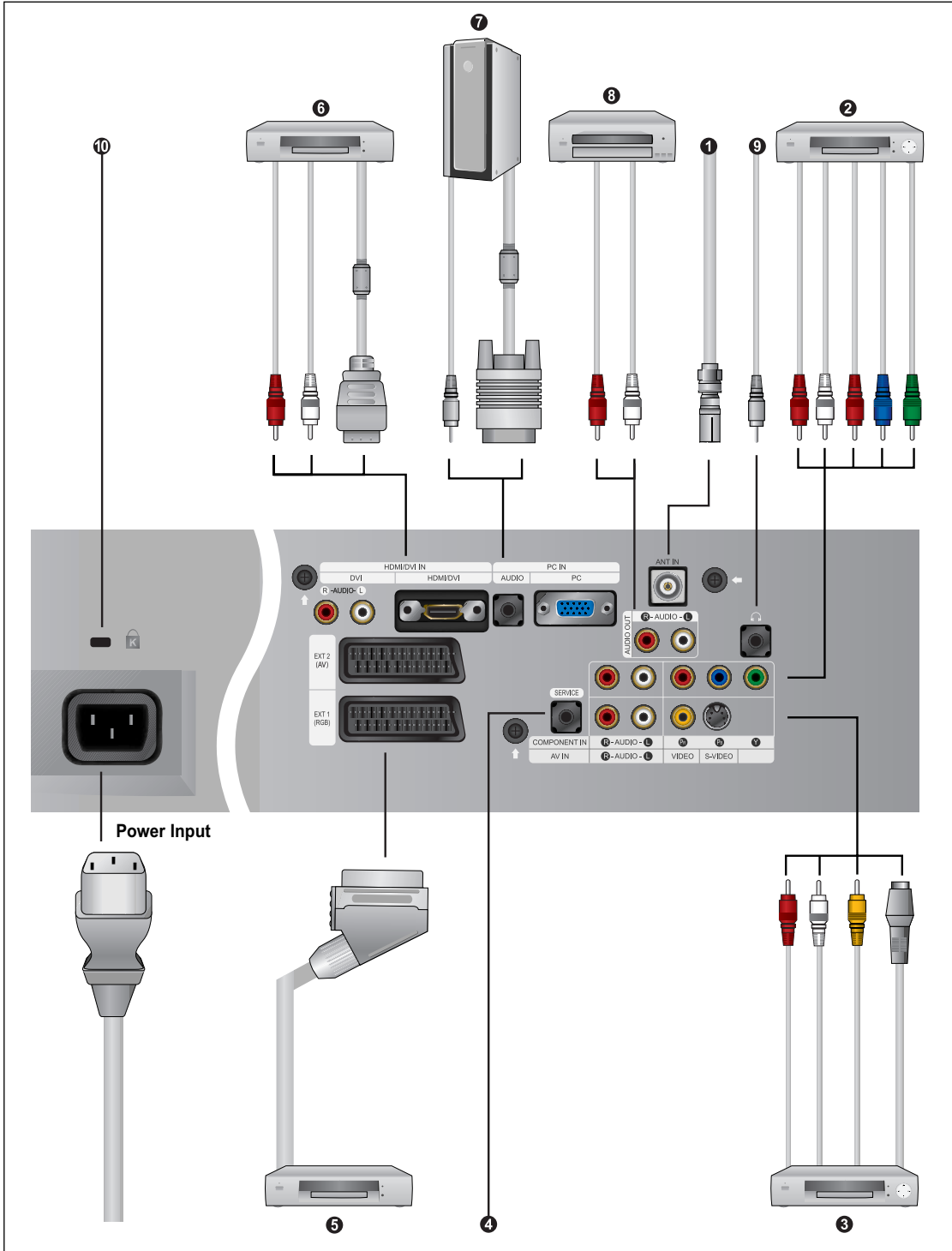
Adjusts brightness of screen automatically by detecting brightness of surrounding environment. This sensor works when Brightness Sensor is on.

8 Remote Control Sensor

Aim the remote control towards this spot on the TV.

9 Speakers

Viewing the Connection Panel



Whenever you connect an audio or video system to your set, ensure that all elements are switched off.

Viewing the Connection Panel

① Connecting an Aerial or Cable Television Network

To view television channels correctly, a signal must be received by the set from one of the following sources:

- An outdoor aerial
- A cable television network
- A satellite network

② Connecting Component Devices (DVD)

- Connect component video cables to component connector ("Pr", "Pb", "Y") on the rear of your set and the other ends to corresponding component video out connectors on the DVD.
- The Y, Pb and Pr connectors on your component devices or DVD are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the DVD.

③ Connecting External A/V Devices

- Connect RCA or S-VIDEO cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the A/V device.
- Headphone may be connected to the headphone output (9) on the rear of your set. While the headphone is connected, the sound from the built-in speakers will be disabled.

④ SERVICE

- Connector for engineer.

⑤ Connecting Set-Top Box, VCR or DVD

- Connect the VCR or DVD SCART cable to the SCART connector of the VCR or DVD.
- If you wish to connect both the Set-Top Box and VCR (or DVD), you should connect the Set-Top Box to the VCR (or DVD) and connect the VCR (or DVD) to your set.

➤ Input/Output Specification

Connector	Input				Output
	Video	Audio (R/L)	S-Video	RGB	Video+Audio (R/L)
SCART 1 (EXT 1)	✓	✓		✓	TV/DTV AV
SCART 2 (EXT 2)	✓	✓			Monitor Out (TV/DTV AV/Ext. 1/Ext. 2/AV/S-VHS)

Viewing the Connection Panel

6 Connecting HDMI/DVI

- Supports connections between HDMI-connection-enabled AV devices (set top boxes, DVD players and AV receivers).
- No additional sound connection is needed for a HDMI to HDMI link

➤ What is HDMI?

- HDMI, or high-definition multimedia interface, is a next-generation interface that enables the transmission of digital audio and video signals using a single cable without compression.
- "Multimedia interface" is a more accurate name for it especially because it allows multiple channels of digital audio (5.1 channels). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.
- Use the HDMI/DVI terminal for DVI connection to an extended device.

➤ You should use the DVI-to-HDMI cable or DVI-HDMI adapter for the connection, and the "R - AUDIO - L" terminal on DVI for sound output.

7 Connecting Computer

- Connect the D-Sub cable to "PC (PC IN)" on the rear of your set and the other end to the Video Card of your computer.
- Connect the stereo audio cable to "AUDIO (PC IN)" on the rear of your set and the other end to "Audio Out" of the sound card on your computer.

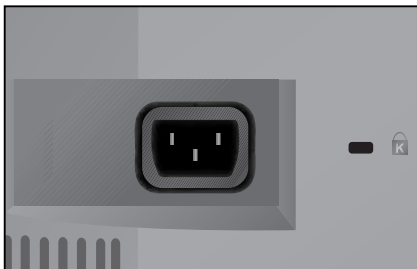
8 Connecting AUDIO

- Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio in connectors on the Amplifier or DVD Home Theater.

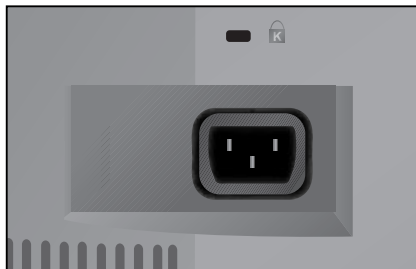
	Speaker			SCART2 Out & Audio Out		
	TV	DTV-AV,Scart,AV,S-Video	Component,PC,HDMI	TV	DTV-AV,Scart,AV,S-Video	Component,PC,HDMI
Internal Mute Off	Speaker Output	Speaker Output	Speaker Output	Sound Output	Sound Output	Sound Output
Internal Mute On	Mute	Mute	Mute	Sound Output	Sound Output	Sound Output
Video No Signal	Mute	Mute	Mute	Mute	Sound Output	Sound Output

10 Kensington Lock

- Refer to "Using the Anti-Theft Kensington Lock" on page 87.

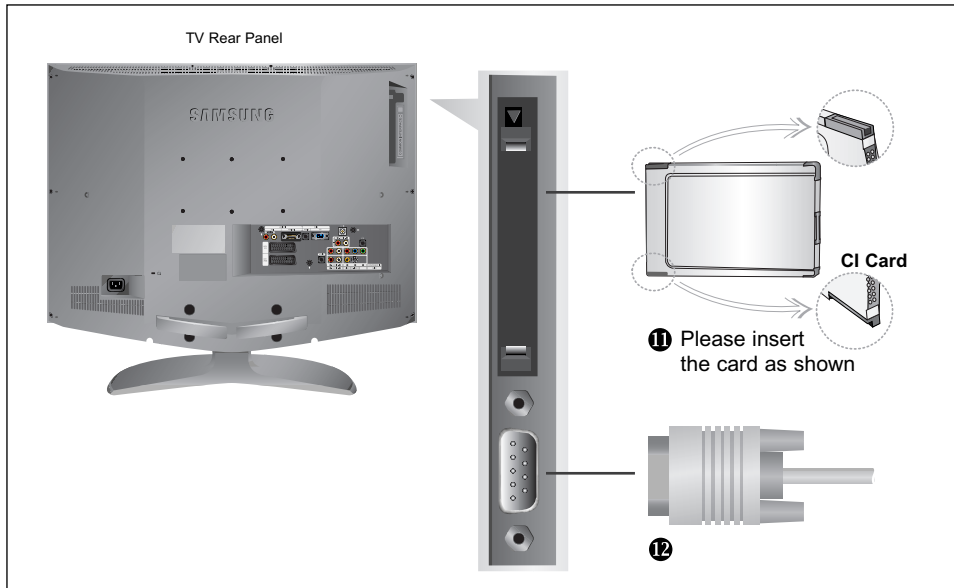


< LE26R51BD / LE26R41BD >



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Viewing the Connection Panel



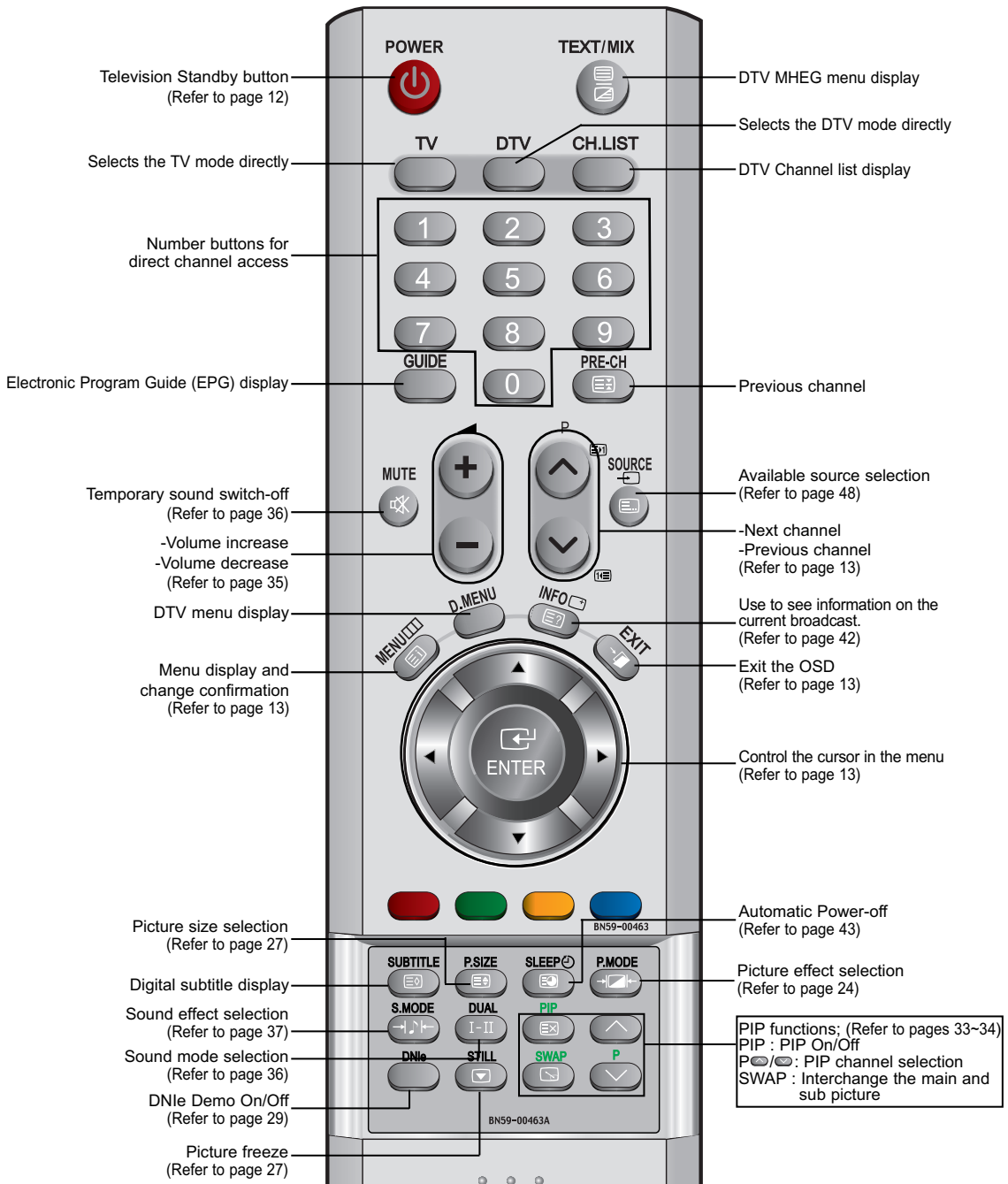
11 Connecting CI (Common Interface) Card

- When not inserting "CI Card" in some channels, "Scramble Signal" is displayed on the screen.
 - The pairing information containing a telephone number, CI CARD ID, Host ID, and other information will be displayed in about 2~3 minutes. If an error message is displayed, please contact your service provider.
 - When the channel information configuration has finished, the message "Updating Completed" is displayed, indicating that the channel list is now updated.
- You must obtain a CI CARD from a local cable service provider. Remove the CI CARD by carefully pulling it out with your hands since dropping the CI CARD may cause damage to it.

12 Service Post

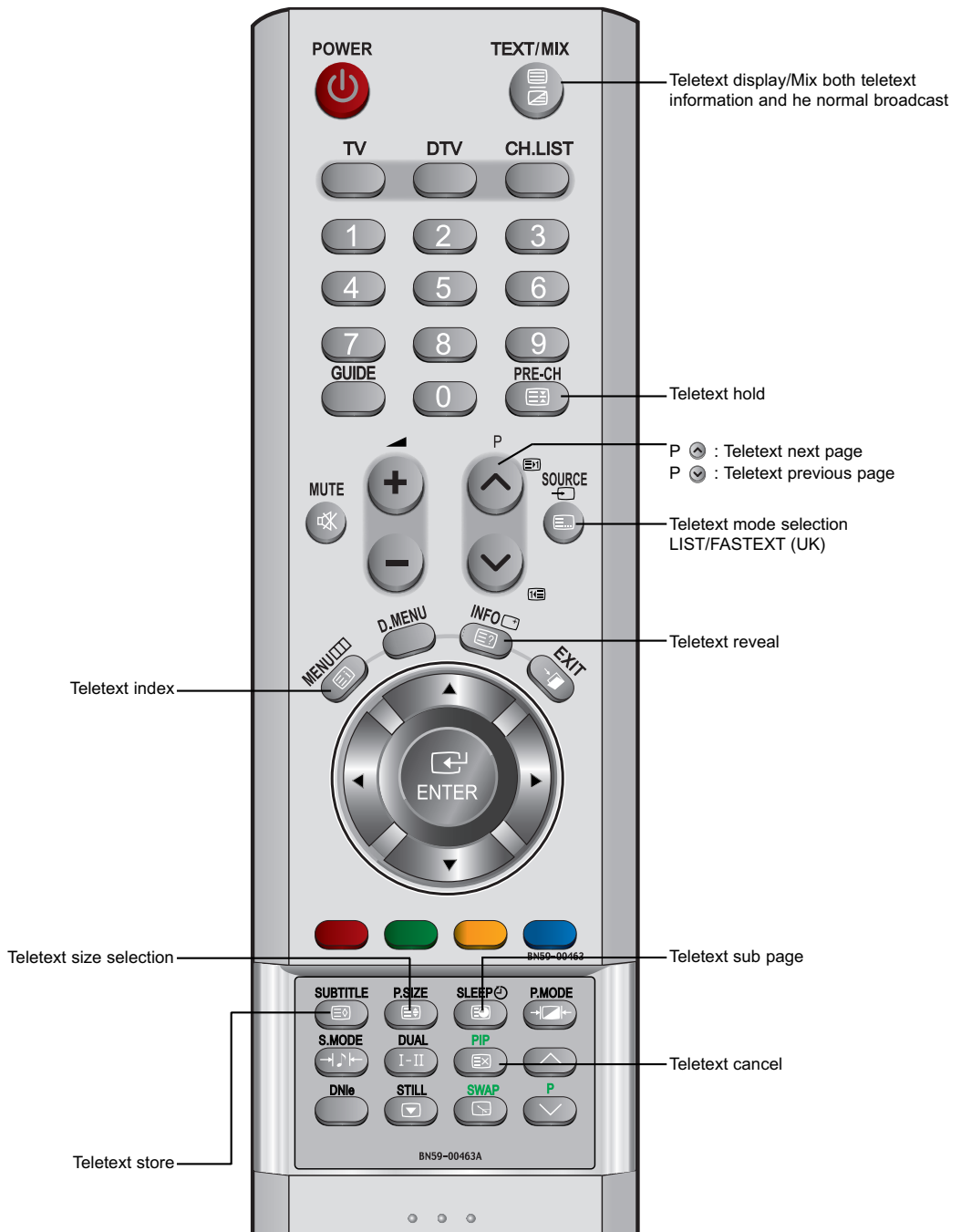
- Connector for engineer.

Viewing the Remote Control (All Functions Except Teletext)



➤ The performance of the remote control may be affected by bright light.

Viewing the Remote Control (Teletext Functions)



➤ Teletext Function : Refer to pages 78-80 for details

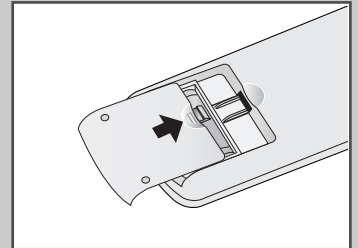
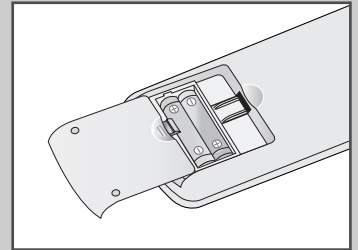
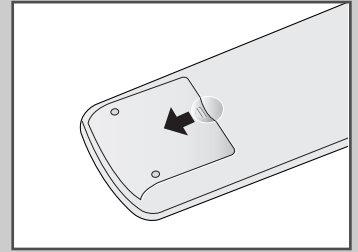
Installing Batteries in the Remote Control

- 1 Remove the cover on the rear of the remote control by pressing the symbol (▼) downwards and then pulling firmly to remove it.
- 2 Install two AAA size batteries.
 - Make sure to match the “+” and “-” ends of the batteries with the diagram inside the compartment.
- 3 Replace the cover.
 - Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. The remote control can be used up to about 23 feet from the TV. (Assuming typical TV usage, the batteries last for about one year.)

➤ **If the remote control doesn't work!**

Check the following:

1. **Is the TV power on?**
2. **Are the plus and minus ends of the batteries reversed?**
3. **Are the batteries drained?**
4. **Is there a power cut, or is the power cord unplugged?**
5. **Is there a special fluorescent light or a neon sign nearby?**



Switching On and Off

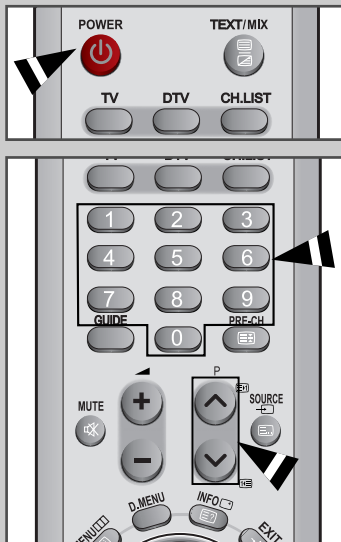


The mains lead is attached to the rear of your set.

☞ If you purchased this set in the United Kingdom, refer to page 91 for further instructions on plug wiring.

- 1 Plug the mains lead into an appropriate socket.
Result: The standby indicator lights up on the front panel.
➤ The main voltage is indicated on the rear of your set and the frequency is 50 or 60Hz.
- 2 Press the **POWER** ⏻ button on the front of the panel.
Result: The programme that you were watching last is reselected automatically.
- 3 Press the numeric button (0~9) or channel up/down (⬆️/⬇️) button on the remote control or **C/P** ⬆️ button on the right side of the panel.
- 4 To switch your set off, press the **POWER** ⏻ button again.

Placing Your Television in Standby Mode



Your set can be placed in standby mode in order to reduce the power consumption. The standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).












- 1 Press the **POWER** ⏻ button on the remote control.
Result: The screen is turned off and a red standby indicator appears on the front of your set.
- 2 To switch your set back on, simply press the **POWER** ⏻, numeric buttons (0~9) or channel up/down (⬆️/⬇️) button again.
➤ Do not leave your set in standby mode for long periods of time (when you are away on holiday, for example). It is best to unplug the set from the mains and aerial.

Becoming Familiar with the Remote Control

The remote control is used mainly to:

- ◆ Change channels and adjust the volume.
- ◆ Set up your set using the on-screen menu system.

The following table presents the most frequently used buttons and their functions.

Button	Viewing Function	Menu Function
	Used to display the next stored channel.	-
	Used to display the previous stored channel.	-
	Used to display the corresponding channels. ➤ For double digit channels, the second digit must be pushed immediately after the first. Failure to do this will result in a single digit channel being displayed.	-
	Used to increase the volume.	-
	Used to decrease the volume.	-
MUTE 	Used to switch the sound off temporarily. ➤ To turn the sound back on, press this button again, or press the  button.	-
MENU 	Used to display the on-screen menu system.	Used to return to the previous menu or normal viewing.
EXIT 	Used to exit the on-screen menu system.	-
	<ul style="list-style-type: none"> ▲ ▼ Used to move among the menu items. ▶ Used to select a menu item or increase the value of the selected item. ◀ Used to return to the previous menu item or decrease the value of the selected item. 	-
 ENTER	-	Used to confirm your choice.




Plug and Play

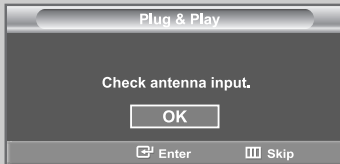


*When the set is initially powered ON, several basic customer settings proceed automatically and subsequently.
The following settings are available.*



- 1 If the set is in standby mode, press the **POWER**  button on the remote control.

Result: The message **Start Plug & Play** is displayed. It appears for a little while, and then the message **Check antenna input.** is displayed with the **OK** selected.




- 2 Press the **ENTER**  button.

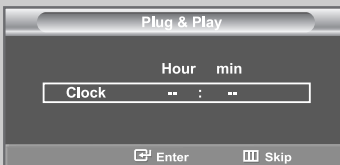
Result: The **Auto Store** menu is displayed with the **Start** selected.



- 3 Press the **ENTER**  button.

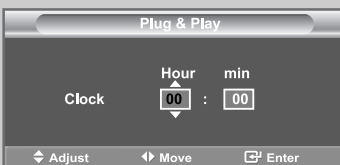
Result: The channel search will start and end automatically.


➤ To stop the search before it has finished, press the **ENTER**  button with **Stop** selected.



- 4 Press the **ENTER**  button.

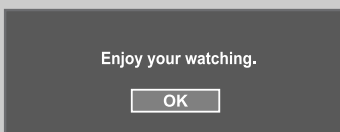
Select the **Hour** or **min** by pressing the ◀ or ▶ button. Set the **Hour** or **min** by pressing the ▲ or ▼ button. (Refer to “**Setting and Displaying the Current Time**” on page 42)



- 5 Press the **ENTER**  button to confirm your setting.

Result: The message **Enjoy your watching.** is displayed, and then the channel which has been stored will be activated.

➤ You can also set hour and minute by pressing the number buttons on the remote control.



Plug and Play

If you want to reset this feature...

➤ In the case of DTV mode, Plug&Play can not be selected.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER** button.

Result: The options available in the **Setup** group are displayed.

- 3 The **Plug & Play** is selected.

- 4 Press the **ENTER** button.

Result: The message **Start Plug & Play** is displayed.

- 5 For further details on how to set, refer to the previous page.



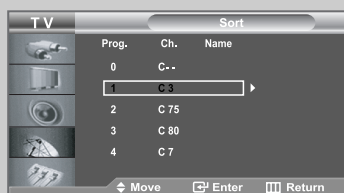
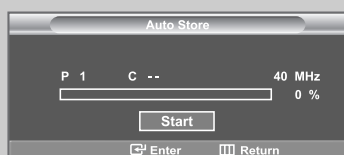
Choosing Your Language

The available language for on-screen menu and indicators in this TV is only English.

When you select the Setup menu, the Language is preset to English and cannot be changed.



Storing Channels Automatically



You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However, you can sort numbers manually and clear any channels you do not wish to watch.

- 1 Press the **MENU** (□□) button.

Result: The main menu is displayed.

- 2 Press the ▲ or ▼ button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

- 3 Press the **ENTER** (↵) button.

- 4 Press the ▲ or ▼ button to select **Auto Store**. Press the **ENTER** (↵) button.

Result: The **Auto Store** menu is displayed with the **Start** selected.

- 5 Press the **ENTER** (↵) button to search the channels. The sub menu is changed from **Start** to **Stop** with channel search started.

Result: The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range (with lowest first and highest last). The programme originally selected is then displayed.

- To return to the previous menu, press the **MENU** (□□) button.
- To stop the search before it has finished, press the **ENTER** (↵) button with **Stop** selected.

- 6 When searching and storing are complete, the Sort menu is displayed.

- ◆ To sort the stored channels into the desired numerical order, go to step 7 of the “Sorting the Stored Channels” procedure on page 20.
- ◆ To exit from the channel store function without sorting the channels, press the **MENU** (□□) button repeatedly until the menus disappear.

- 7 When the channels have been stored, you can:

- ◆ Sort them in the order required (refer to page 20)
- ◆ Assign names to the stored channels (refer to page 21)
- ◆ Add or delete the channels (refer to page 19)
- ◆ Fine tune channel reception if necessary (refer to page 22)
- ◆ Activate/deactivate the **LNA** (Low Noise Amplifier) feature (See page 23)

Storing Channels Manually

You can store up to 100 channels, including those received via cable networks. When storing channels manually, you can choose:

- ◆ Whether or not to store each of the channels found.
- ◆ The programme number of each stored channel which you wish to identify.

1 Press the **MENU**  button.

Result: The main menu is displayed.

2 Press the **▲** or **▼** button to select **Channel**.

Result: The options available in the **Channel** group are displayed.


3 Press the **ENTER**  button.

4 Press the **▲** or **▼** button to select **Manual Store**.


Press the **ENTER**  button.

Result: The options available in the **Manual Store** menu are displayed with **Programme** selected.

5 Press the **ENTER**  button again.


To assign a programme number to a channel, find the correct number by pressing the **▲** or **▼** button and then press the **ENTER**  button.

➤ You can also set a programme number by pressing number buttons on the remote control.

6 Press the **▲** or **▼** button to select **Colour System** and then press the **ENTER**  button.

Select the colour standard required by pressing the **▲** or **▼** button repeatedly and then press the **ENTER**  button.

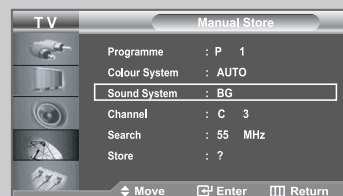
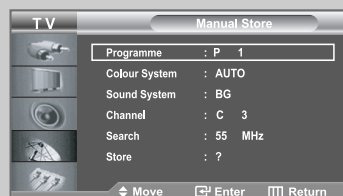
Result: The colour standards are displayed in the following order:
AUTO - PAL - SECAM - NTSC 4.43

7 Press the **▲** or **▼** button to select **Sound System** and then press the **ENTER**  button.

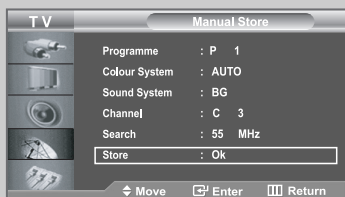
Select the sound standard required by pressing the **▲** or **▼** button repeatedly and then press the **ENTER**  button.

Result: The sound standards are displayed in the following order:
BG - DK - I - L

8 For all the channels to move to the required channel numbers, repeat steps 5 to 7 after selecting **Programme** by pressing the **▲** or **▼** button.



Storing Channels Manually



- 9 If you know the number of the channel to be stored,
 - ◆ Press the ▲ or ▼ button to select **Channel** and then press the **ENTER** button.
 - ◆ Select **C** (Air channel) or **S** (Cable channel) by pressing the ▲ or ▼ button.
 - ◆ Press the ► button to select channel.
 - ◆ Select the required number by pressing the ▲ or ▼ button and then press the **ENTER** button.
 - If there is an abnormal sound or no sound, re-select the sound system required.
 - You can also set a channel by pressing number buttons on the remote control.

- 10 If you do not know the channel numbers, press the ▲ or ▼ button to select **Search** and then press the **ENTER** button. **Search** by pressing the ▲ or ▼ button and then press the **ENTER** button.

Result: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.

- 11 Press the ▲ or ▼ button to select **Store**. Select **Ok** by pressing the **ENTER** button.

Result: The channel and associated programme number are stored.

- 12 Repeat steps 9 to 11 for each channel to be stored.

- 13 Press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.






Channel mode

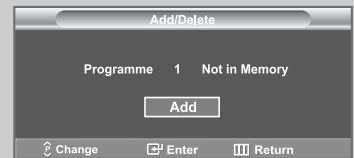
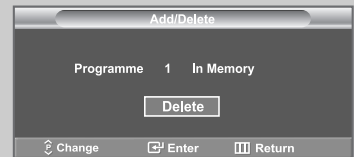
- ◆ **P** (Programme mode): When tuning is completed, the broadcasting stations in your area will have been assigned to position numbers from P00 to P99. You can select a channel by entering the position number in this mode.
- ◆ **C** (Real channel mode): You can select a channel by entering the assigned number to each broadcast station in this mode.
- ◆ **S** (Cable channel mode): You can select a channel by entering the assigned number to each cable channel in this mode.

Editing the Channels

You can exclude the channels you chose from the channels you scanned. When you scan through the stored channels, those you have chosen to skip are not displayed.

All channels that you do not specifically choose to skip are displayed during scanning.

- 1 Press the **MENU**  button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.
Press the **ENTER**  button.
Result: The options available in the **Channel** group are displayed.
- 3 Press the **▲** or **▼** button to select **Add/Delete**.
Press the **ENTER**  button.
Result: The state of the current channel is displayed.
- 4 Press the **⏪/⏩** button to select the channel that you wish to add or delete.
Result: If the channel that you wish to edit is not in memory, the **Add** is selected and displayed.
Otherwise, if the channel that you wish to edit is in memory, the **Delete** is selected and displayed.
- 5 Press the **ENTER**  button to add or delete channel.
- 6 Repeat steps 4 and 5 for each channel to be added or deleted.
- 7 Press the **MENU**  button to return to the previous menu or press the **EXIT** button to return to normal viewing.



Sorting the Stored Channels



You can exchange the numbers of two channels, in order to:

- ◆ **Modify the numeric order in which the channels have been automatically stored.**
- ◆ **Give easily remembered numbers to the channels that you watch most often.**

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the **▲** or **▼** button to select **Channel**.
Press the **ENTER** button.

Result: The options available in the **Channel** group are displayed.

3 Press the **▲** or **▼** button to select **Sort**.
Press the **ENTER** button.

Result: The **Prog.**, **Ch.** and **Name** are displayed.

4 Select the channel number that you wish to change by pressing the **▲** or **▼** button repeatedly.
Press the **ENTER** button.

Result: The selected channel number and name are moved to right side.

5 Press the **▲** or **▼** button to move to the position in which you would like to change and then press the **ENTER** button.

Result: The selected channel is exchanged with the one previously stored to the chosen number.

6 Repeat steps **4** to **5** for another channel to be sorted.

7 Press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Assigning Channels Names

Channel names will be assigned automatically when channel information is broadcast.

These names can be changed, allowing you to assign new names.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Channel**.
Press the **ENTER** button.

Result: The options available in the **Channel** group are displayed.

- 3 Press the **▲** or **▼** button to select **Name**.
Press the **ENTER** button.

Result: The current **Prog.**, **Ch.** and **Name** are displayed.

- 4 If necessary, select the channel to be assigned to a new name by pressing the **▲** or **▼** button.
Press the **ENTER** button.

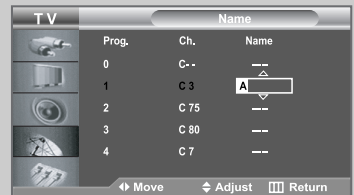
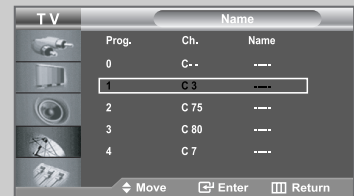
Result: The selection bar is displayed around the name box.

5	To...	Then...
	Select a letter, number or symbol	Press the ▲ or ▼ button
	Move on the next letter	Press the ▶ button
	Move back the previous letter	Press the ◀ button
	Confirm the name	Press the ENTER button

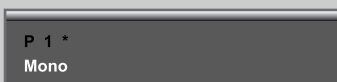
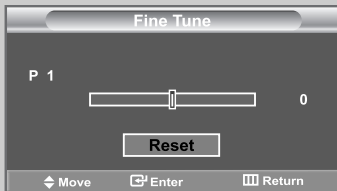
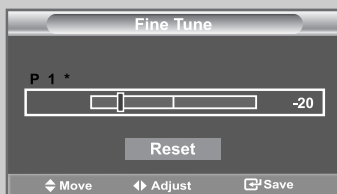
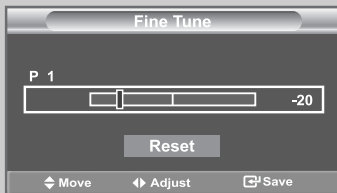
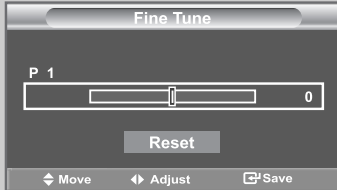
- The characters available are :
- ◆ Letters of the alphabet (A~Z)
 - ◆ Numbers (0~9)
 - ◆ Special characters (-, space)

- 6 Repeat steps 4 to 5 for each channel to be assigned to a new name.

- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



Fine Tuning Channel Reception



If the reception is clear, you do not have to fine-tune the channel, as this is done automatically during the search and store operation. If however, the signal is weak or distorted, you may have to fine-tune the channel manually.

➤ Select the channel that you want to fine tune.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Channel**. Press the **ENTER** button.

Result: The options available in the **Channel** group are displayed.

- 3 Press the **▲** or **▼** button to select **Fine Tune**. Press the **ENTER** button.

Result: The horizontal bar is displayed.

- 4 Press the **◀** or **▶** button to reach the required setting. Press the **ENTER** button.

Result: An asterisk "*" appears on the right-hand side of the channel number. The channel number becomes red.

➤ To reset the fine-tuning, select **Reset** by pressing the **▲** or **▼** button and then press the **ENTER** button.

- 5 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner. And the channel number becomes red.

LNA (Low Noise Amplifier)

If the Set is operating in a weak-signal area, sometimes the LNA function can improve the reception.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Channel**.
Press the **ENTER**  button.

Result: The options available in the **Channel** group are displayed.

- 3 Press the **▲** or **▼** button to select **LNA**.
Press the **ENTER**  button.

Result: The **LNA** menu is displayed.

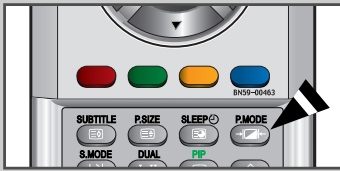
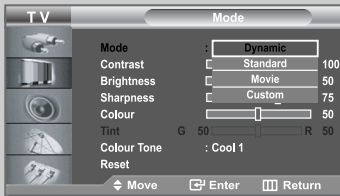
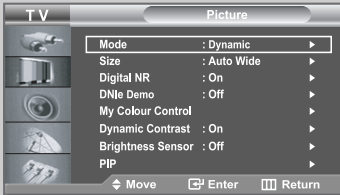
- 4 Select **On** by pressing **▲** or **▼** button.
Press the **ENTER**  button.

Result: Amplifies signals when antenna reception is poor.
However if incoming signals are interfering with each other, tune off **LNA** as it may malfunction.

- 5 When it has finished, press the **EXIT** button to return to normal viewing.



Changing the Picture Standard



You can select the type of picture which best corresponds to your viewing requirements.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Picture**.

Result: The options available in the **Picture** group are displayed.

- 3 Press the **ENTER** button.

- 4 Press the **ENTER** button again.

Result: The options available in the **Mode** group are displayed.

- 5 Press the **ENTER** button.

Result: The **Mode** is selected.

- 6 Select the required picture effect by pressing the **▲** or **▼** button repeatedly.
Press the **ENTER** button.

Result: The following picture effects are available:
Dynamic - Standard - Movie - Custom

- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

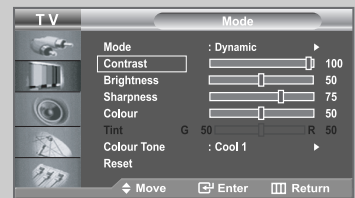
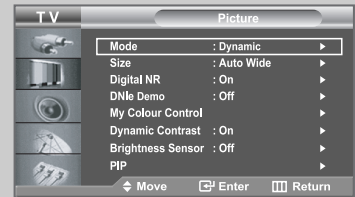
➤ You can also display by simply pressing the **P.MODE** (Picture Mode) button.

Adjusting the Custom Picture

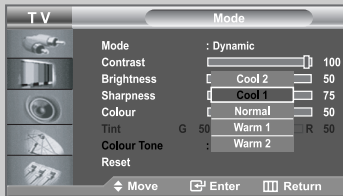
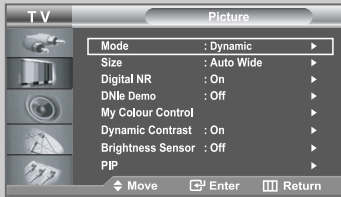
Your set has several settings which allow you to control picture quality.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **ENTER** button again.
Result: The options available in the **Mode** group are displayed.
- 5 Select the option (**Contrast**, **Brightness**, **Sharpness**, **Colour**, **Tint**) to be adjusted by pressing the **▲** or **▼** button. Press the **ENTER** button.
Result: The horizontal bar is displayed.
- 6 Press the **◀** or **▶** button to reach the required setting.
- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

- ◆ Each adjusted setting will be stored separately according to its input mode.
- ◆ The Tint is "inactivated" as following cases.
- Analog mode (RF, Scart, Video, S-Video)
In case of an input signal setting to PAL-50, PAL-CN, and SECAM.
 - Componen, DVI, and HDMI mode
In case of a input signal setting to 60Hz; 480i, 480p, 720p @60Hz, 1080i @60Hz.



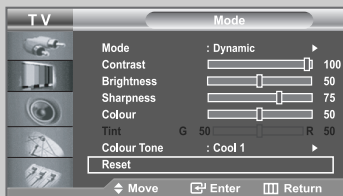
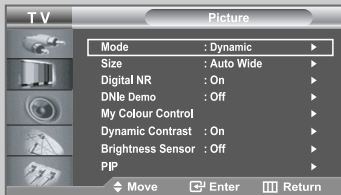
Changing the Colour Tone



You can select the most comfortable colour tone to your eye.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **ENTER** button again.
Result: The options available in the **Mode** group are displayed.
- 5 Press the **▲** or **▼** button to select **Colour Tone** and press the **ENTER** button. Select the required option by pressing the **▲** or **▼** button repeatedly. Press the **ENTER** button.
Result: The following options are available:
Cool2 - Cool1 - Normal - Warm1 - Warm2
- 6 When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.

Resetting the Picture Settings to the Factory Defaults



You can return to the factory defaults picture settings.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **ENTER** button again.
Result: The options available in the **Mode** group are displayed.
- 5 Press the **▲** or **▼** buttons to select **Reset**, then press the **ENTER** button.
- 6 Press the **EXIT** button to return to normal viewing.

Changing the Picture Size

You can select the picture size which best corresponds to your viewing requirements.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Picture**.

Result: The options available in the **Picture** group are displayed.

- 3 Press the **ENTER** button.



- 4 Press the **▲** or **▼** button to select **Size** and press the **ENTER** button.

- 5 Select the required option by pressing the **▲** or **▼** button repeatedly.

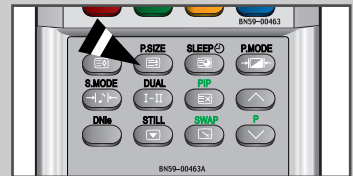
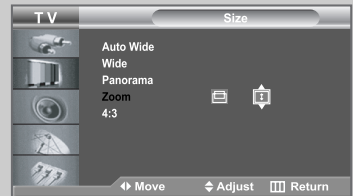
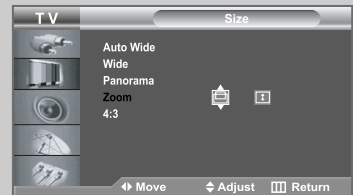
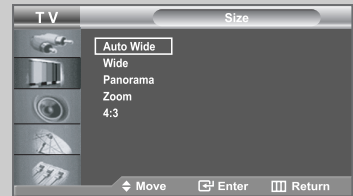
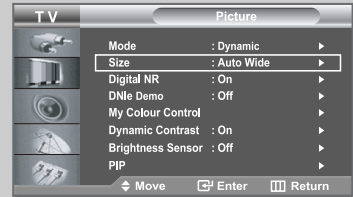
Press the **ENTER** button.

Result: The following options are available:

Auto Wide – Wide – Panorama – Zoom – 4:3

➤ **Zoom** : Magnifies the 16:9 wide picture (in the vertical direction) to fit the screen size. Select  by pressing the **◀** or **▶** button. Use the **▲** or **▼** button to move the picture up and down. After selecting , use the **▲** or **▼** button to magnify or reduce the picture size in the vertical direction.

- ◆ You can select these options by simply pressing the **P.SIZE** (Picture Size) button on the remote control.
- ◆ In PC Mode, only **Wide** and **4:3** mode can be adjusted.
- ◆ If you press **P.SIZE** (Picture Size) button when PIP is set to on, PIP function will be cancelled and the picture size will be changed.

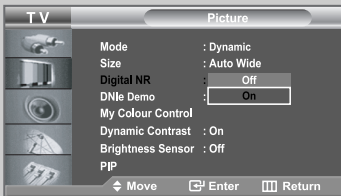
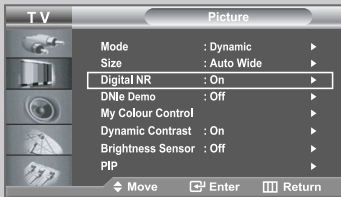


Freezing the Current Picture

Press the **STILL** button to freeze a moving picture into a still one. Press again to cancel.



Using the Digital NR (Digital Noise Reduction) Feature



If the signal received by your television is weak, you can activate this feature to help reduce any static and ghosting that may appear on the screen.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the **▲** or **▼** button to select **Picture**.

Result: The options available in the **Picture** group are displayed.

3 Press the **ENTER** button.

4 Press the **▲** or **▼** button to select **Digital NR**.
Press the **ENTER** button.

5 Press the **▲** or **▼** button to select **On**.
Press the **ENTER** button.

6 Press the **EXIT** button to return to normal viewing.

DNle (Digital Natural Image engine)

Samsung's new technology brings you more detailed images with contrast and white enhancement. A new image compensation algorithm gives viewers brighter and clearer images.

DNle technology will match every signal to your eyes.

You can see how DNle improves the picture by setting DNle Demo mode to On.


- 1 Press the **MENU**  button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Picture**.

Result: The options available in the **Picture** group are displayed.

- 3 Press the **ENTER**  button.

- 4 Press the **▲** or **▼** button to select **DNle Demo** and then press the **ENTER**  button.

Press the **▲** or **▼** button to select **On**.

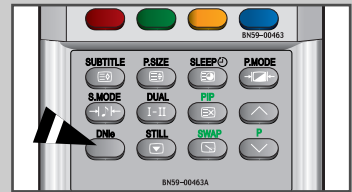
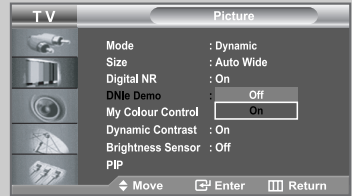
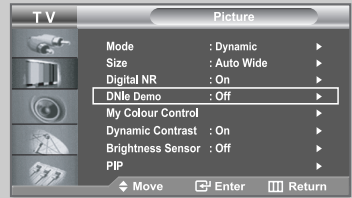
Press the **ENTER**  button.

- **DNle Demo: Off**
DNle Demo mode is deactivated.

DNle Demo: On
The right-hand side of the screen shows the improved DNle image.
The left-hand side of the screen shows the original image.

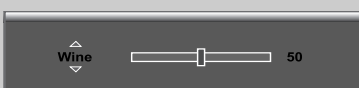
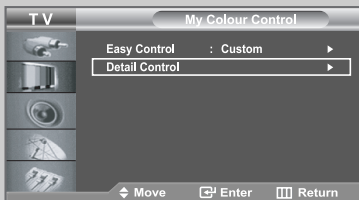
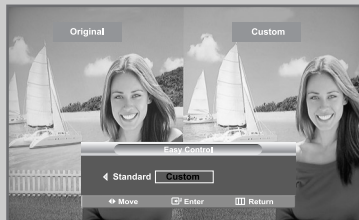
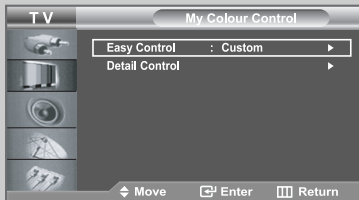
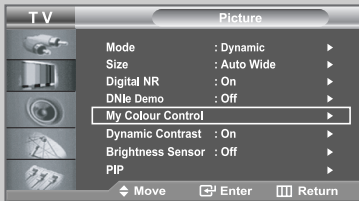
- You can also select these options by simply pressing the **DNle** button.

- 5 When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.



- ◆ This function doesn't work when source is in PC mode.
- ◆ The **DNle Demo** is designed to show the difference between the regular and DNle pictures.
- ◆ By default, the product displays the picture with DNle applied.

My Colour Control



My Colour Control is to adjust the most preferred colours such as White, Pink, Gold, Blue, Green and Wine without interfering with other colours in order for each consumer to enjoy screen colour of his/her choice.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the **▲** or **▼** button to select **Picture**.

Result: The options available in the **Picture** group are displayed.

3 Press the **ENTER** button.

4 Press the **▲** or **▼** button to select **My Colour Control** and then press the **ENTER** button.

Result: The options available in the **My Colour Control** menu are displayed.

5 Press the **▲** or **▼** button to select **Easy Control** and press the **ENTER** button. Select a source of the sub picture by pressing the **◀** or **▶** button and press the **ENTER** button.

Result: The sources are displayed in the following order:
Wine - Green - Blue - Gold - Pink - White - Standard - Custom

6 Press the **▲** or **▼** button to select **Detail Control** and press the **ENTER** button. Select a source of the sub picture by pressing the **▲** or **▼** button and press the **ENTER** button.

Result: The sources are displayed in the following order:
Wine - Green - Blue - Gold - Pink - White - Reset

7 Press the **◀** or **▶** button to reach the required setting.





8 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ This function doesn't work when source is in PC mode.

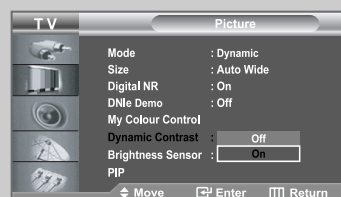
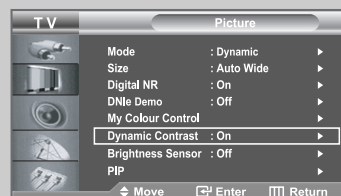
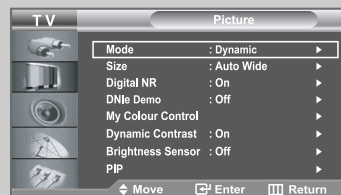
➤ To return to the factory default settings for My Colour Control colours, select **Reset** by pressing the **▲** or **▼** button and then press the **ENTER** button.

Dynamic Contrast

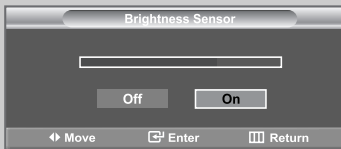
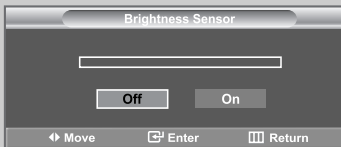
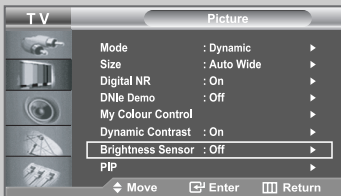
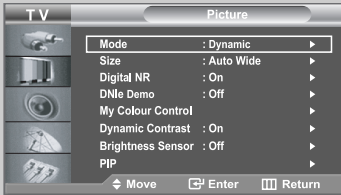
Dynamic Contrast is to automatically detect distribution of inputted visual signal and adjust to create optimum contrast.

- 1 Press the **MENU**  button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER**  button.
- 4 Press the **▲** or **▼** button to select **Dynamic Contrast**.
Press the **ENTER**  button.
Result: The **Dynamic Contrast** menu is displayed.
- 5 Select **On** by pressing the **▲** or **▼** button.
Press the **ENTER**  button.
- 6 When it has finished, press the **EXIT** button to return to normal viewing.

➤ This function doesn't work when source is in PC mode or PIP is set to on.



Brightness Sensor



Brightness Sensor is to adjust brightness of screen either automatically or manually by detecting brightness of surrounding environment using light detecting sensor.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Brightness Sensor**. Press the **ENTER** button.
Result: The **Brightness Sensor** menu is displayed.
- 5 Select **On** by pressing the **◀** or **▶** button.
Result: Brightness on the screen is adjusted automatically according to brightness of surrounding environment.
- 6 When it has finished, press the **ENTER** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ This function doesn't work when source is in PC mode.

Viewing the Picture In Picture (PIP)

You can display a sub-picture within the main picture area of the programme or other input you are currently viewing.

➤ This function doesn't work when source is in PC mode or DTV mode.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Picture**.

Result: The options available in the **Picture** group are displayed.

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **PIP** and then press the **ENTER** button.

Result: The options available in the **PIP** menu are displayed.

- 5 Press the **ENTER** button again. Select **On** by pressing the **▲** or **▼** button and then press the **ENTER** button.

- 6 Press the **▲** or **▼** button to select **Source** and press the **ENTER** button. Select a source of the sub picture by pressing the **▲** or **▼** button and press the **ENTER** button.

Result: The sources are displayed in the following order: When the main picture is set to TV/Ext. 1/Ext. 2/AV/S-Video/Component, only HDMI can be selected and when the main picture is set to PC/HDMI, TV/Ext. 1/Ext. 2/AV/S-Video/Component can be selected.

- 7 Press the **▲** or **▼** button to select **Swap**. To interchange the main picture and the sub picture, select **Swap** option and press the **ENTER** button.

Result: The main picture and the sub picture are interchanged.

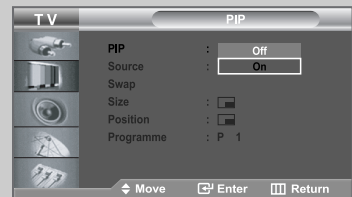
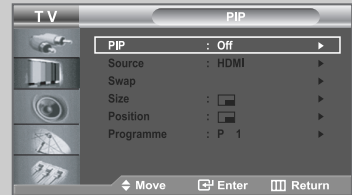
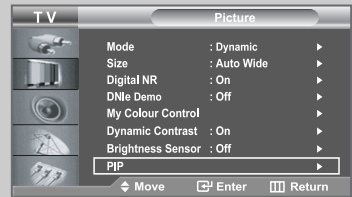
➤ If main picture is in **PC** mode, **Swap** is not available.

- 8 Press the **▲** or **▼** button to select **Size** of sub picture and then press the **ENTER** button. Select a size of the sub picture by pressing the **▲** or **▼** button and then press the **ENTER** button.

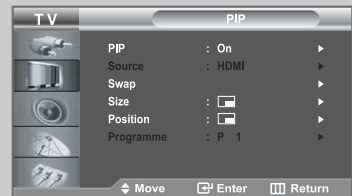
Result: The sizes are displayed in the following order:



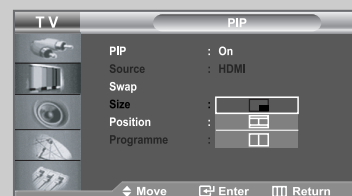
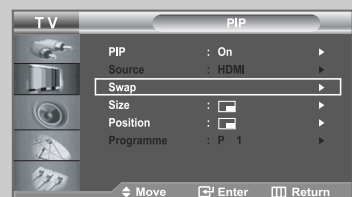
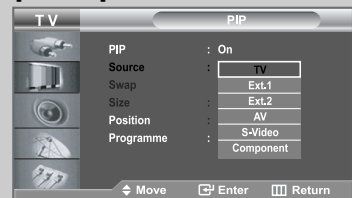
➤ If main picture is in **PC** mode, **Size** is not available.



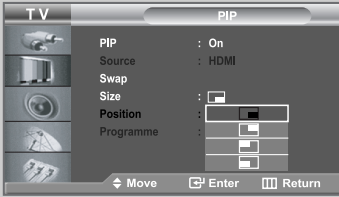
[TV/Ext.1/Ext.2/AV/S-Video/Component]



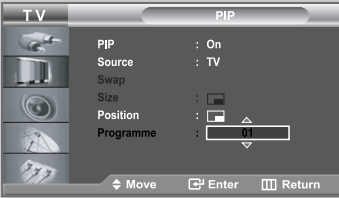
[PC/HDMI]



Viewing the Picture In Picture (PIP)



[PC/HDMI]



- 9 Press the ▲ or ▼ button to select **Position** and then press the **ENTER** button. Select the position of the sub picture by pressing the ▲ or ▼ button and then press the **ENTER** button.

Result: You can move the sub picture.

➤ When the size of sub picture is set to or , this feature does not work.

- 10 Press the ▲ or ▼ button to select **Programme** and then press the **ENTER** button. You can select the channel that you want to view through sub picture by pressing the ▲ or ▼ button.

Result: The memorized **Programme** is displayed.

➤ **Main: PC/HDMI, Sub: TV**

“Programme” is inactive and not available in TV mode. However, they become active and available in PC/HDMI mode.

- 11 To return to normal viewing, press the **EXIT** button.

➤ **Remote-control functions while "PIP" is "On":**

Features	Description
PIP	Used to operate On/Off function of PIP directly.
SWAP	Used to interchange the main picture and the sub picture. ➤ When the main picture is in the video mode and the sub picture is in the TV mode, you might not hear the sound of main picture when pressing the SWAP button after changing the sub picture channel. At this time, reselect the main picture channel.
P	Used to select the channel of the sub picture.

➤ PIP Settings

O: PIP operates
X: PIP doesn't operate

Main \ Sub	TV	DTV	Ext.1	Ext.2	AV	S-Video	Component	PC	HDMI
TV	X	X	X	X	X	X	X	X	O
DTV	X	X	X	X	X	X	X	X	X
Ext.1	X	X	X	X	X	X	X	X	O
Ext.2	X	X	X	X	X	X	X	X	O
AV	X	X	X	X	X	X	X	X	O
S-Video	X	X	X	X	X	X	X	X	O
Component	X	X	X	X	X	X	X	X	O
PC	O	X	O	O	O	O	O	X	X
HDMI	O	X	O	O	O	O	O	X	X

Adjusting the Volume

You can adjust the volume using your remote control.

Press the **+** button to increase the volume.

Result: A horizontal bar is displayed and the volume increases until you release the button. The cursor moves to the right to indicate the volume.

Press the **-** button to decrease the volume.

Result: A horizontal bar is displayed and the volume decreases until you release the button. The cursor moves to the left to indicate the volume.

➤ Additional sound adjustments are available on your set. For further details, refer to pages **36** to **41**.



Switching the Sound Off Temporarily



You can switch the sound off temporarily.

Example: You wish to answer the telephone.

- 1 Press the **MUTE** button.

Result: The sound is switched off and "**Mute**" is displayed.

- 2 When you wish to turn the sound back on, press the **MUTE** button again or either of the volume buttons.

Result: The sound comes back on at the same volume as before and the "**Mute**" indication disappears.

Selecting the Sound Mode



You can set the sound mode by pressing the "**DUAL**" button.

When you press it, the current sound mode is displayed on the screen.

	Audio Type	DUAL 1/2	Default
FM Stereo	Mono	MONO	Automatic change
	Stereo	STEREO ↔ MONO	
	Dual	DUAL 1 ↔ DUAL 2	DUAL 1
	Mono	MONO	Automatic change
Stereo	MONO ↔ STEREO		
NICAM Stereo	Dual		DUAL 1

➤ ◆ If the receiving conditions deteriorate, listening will be easier if the mode is set to **Mono**.

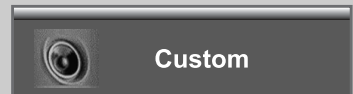
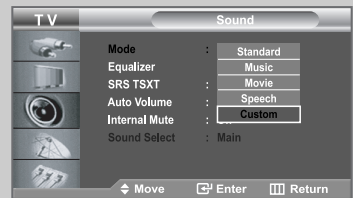
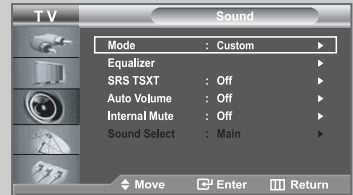
◆ If the stereo signal is weak and automatic switching occurs, switch to **Mono**.

Changing the Sound Standard

You can select the type of the special sound effect to be used when watching a given broadcast.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Sound**.
Result: The options available in the **Sound** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **ENTER** button again.
Result: The **Mode** is selected.
- 5 Select the required sound effect by pressing the **▲** or **▼** button repeatedly and then press the **ENTER** button.
The following sound effects are available:
Standard - Music - Movie - Speech - Custom
- 6 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ You can also select these options by simply pressing the **S.MODE** (Sound Mode) button on the remote control.



Adjusting the Sound Settings

The sound settings can be adjusted to suit your personal preferences.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Sound**.
Result: The options available in the **Sound** group are displayed.
- 3 Press the **ENTER** button.
- 4 Select **Equalizer** by pressing the **▲** or **▼** button and then press the **ENTER** button.
- 5 Select the required option by pressing the **◀** or **▶** button.
- 6 Press the **▲** or **▼** button to reach the required setting.
- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

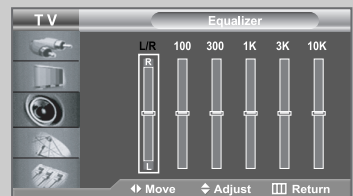
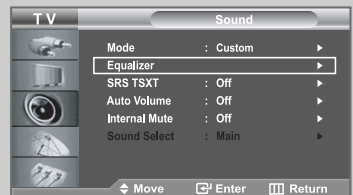
➤ If you make any changes to these settings, the Sound Mode is automatically switched to **Custom**.

➤ L/R Sound Balance Adjustment

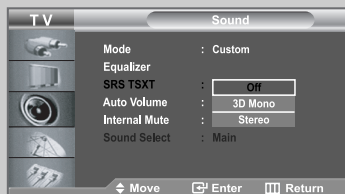
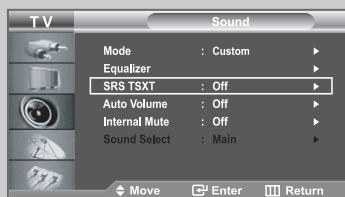
To adjust the sound balance of the L/R speakers.

➤ Bandwidth Adjustment (100, 300, 1K, 3K, 10K)

To adjust the level of different bandwidth frequencies.





Setting the TruSurround XT (SRS TSXT)







TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. Trusurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

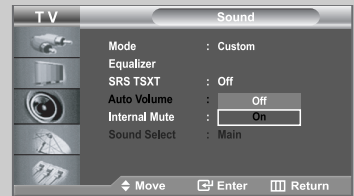
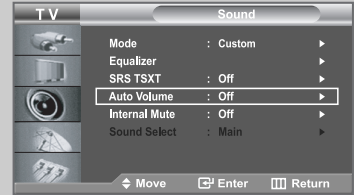
- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Sound**.
Result: The options available in the **Sound** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **SRS TSXT** and then press the **ENTER** button.
- 5 Select the required option by pressing the **▲** or **▼** button. Press the **ENTER** button.
Result: The sources are displayed in the following order:
Off - 3D Mono - Stereo
- 6 Press the **EXIT** button to return to normal viewing.

SRS  TruSurround XT, SRS and  symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

Adjusting the Volume Automatically

Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

- 1 Press the **MENU**  button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Sound**.
Press the **ENTER**  button.
Result: The options available in the **Sound** group are displayed.
- 3 Press the **▲** or **▼** button to select **Auto Volume**.
Press the **ENTER**  button.
- 4 Press the **▲** or **▼** button to select **On**.
Press the **ENTER**  button.
- 5 Press the **EXIT** button to return to normal viewing.



Connecting Headphones



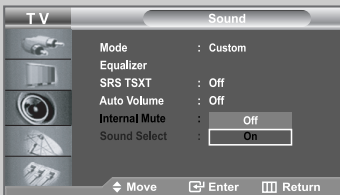
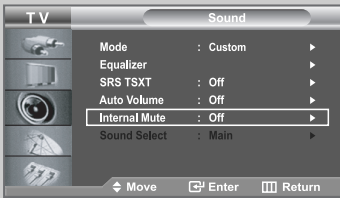
You can connect a set of headphones to your set if you wish to watch a TV programme without disturbing the other people in the room.

Plug a set of headphones into the 3.5mm mini-jack socket on the rear panel of the set.

Result: The sound is heard through the headphones.

- For further details on how to set your headphone preferences, refer to the section below.
 - When you insert the head set jack into the corresponding port, you can operate only **SRS TSXT**, **Internal Mute** and **Sound Select** (PIP-mode) in Sound menu.
-
- Prolonged use of headphones at a high volume may damage your hearing.
 - You will not receive sound from the speakers when you connect headphones to the system.

Selecting the Internal Mute



If you want to hear the sound through separate speakers, cancel the internal amplifier.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Sound**.

Result: The options available in the **Sound** group are displayed.

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Internal Mute**. Press the **ENTER** button.

- 5 Press the **▲** or **▼** button to select **On**. Press the **ENTER** button.

- 6 Press the **EXIT** button to return to normal viewing.

- When **Internal Mute** is set to **On**, the Sound menus except for **Sound Select** (PIP-mode) cannot be adjusted.

Listening to the Sound of the Sub Picture

When the PIP mode is activated, you can change the sound source from the Main or Sub picture.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Sound**.

Result: The options available in the **Sound** group are displayed.

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Sound Select** and then press the **ENTER** button.

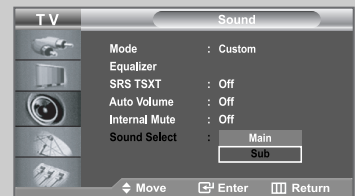
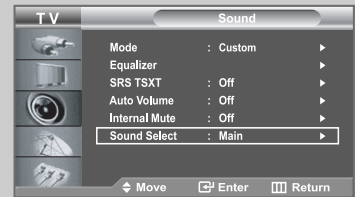
Result: **Main** and **Sub** are displayed.

➤ You can select this option when the PIP is in "On".

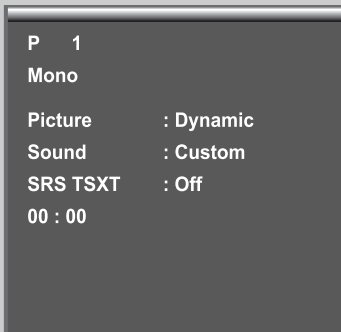
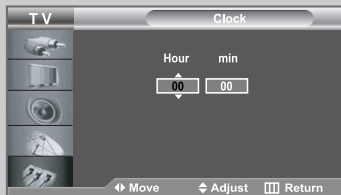
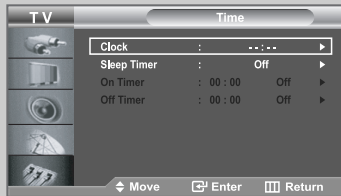
- 5 Select the **Sub** by pressing the **▲** or **▼** button. Press the **ENTER** button.

Result: You can listen to the sound of the sub picture.

➤ To listen the sound of the current main picture, set to **Main**.



Setting and Displaying the Current Time



You can set the TV's clock so that the current time is displayed when you press the **INFO** button. You must also set the time if you wish to use the automatic On/Off timers.

➤ If you disconnect the power cord, you have to set the clock again.

- 1 Press the **MENU** button.
Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER** button.
Result: The options available in the **Setup** group are displayed.

- 3 Press the **▲** or **▼** button to select **Time**.
Press the **ENTER** button.
Result: The **Time** menu is displayed with **Clock** selected.

- 4 Press the **ENTER** button.

- 5

To...	Press the...
Move to Hour or min	◀ or ▶ button
Set the Hour or min	▲ or ▼ button

- 6 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

- 7

To display the...	Press the...
Current time and selected audio/video setting status	INFO button

➤ You can also set hour and minute by pressing the number buttons on the remote control.

Setting the Sleep Timer

You can select a time period of between 30 and 180 minutes after which the television automatically switches to standby mode.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER** button

Result: The options available in the **Setup** group are displayed.

- 3 Press the **▲** or **▼** button to select **Time**.
Press the **ENTER** button.

Result: The **Time** menu is displayed with **Clock** selected.

- 4 Press the **▲** or **▼** button to select **Sleep Timer**.
Press the **ENTER** button.

- 5 Press the **▲** or **▼** button repeatedly and cycle through the preset time intervals (Off Timer, 30 min, 60 min, 90 min, 120 min, 150 min, 180 min).

Result: The TV automatically switches to standby mode when the timer reaches 0.

- 6 To cancel the sleep timer function, select **Off Timer** by pressing the **▲** or **▼** button and then press the **ENTER** button.

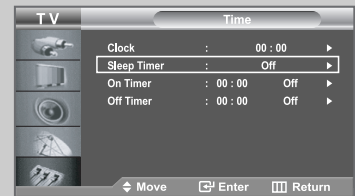
- 7 Press the **EXIT** button to return to normal viewing.

You can set the sleep timer by simply pressing the **SLEEP** button on the remote control.

- 1 Press the **SLEEP** button on the remote control.

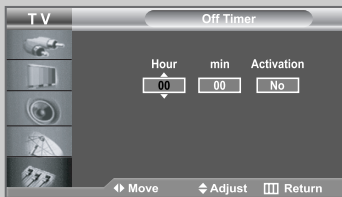
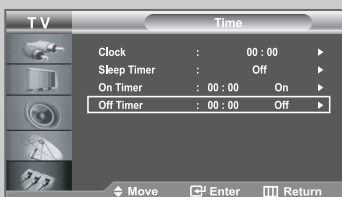
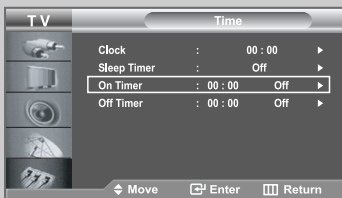
Result: If the sleep timer is not yet set, **Off** is displayed.
Otherwise, the remaining time before which the television switches to standby mode is displayed.

- 2 Select the preset time interval for staying on by pressing the **SLEEP** button repeatedly.



Sleep Timer : 30 min

Switching the Television On and Off Automatically



You can set the On/Off timers so that the set will:

- ◆ Switch on automatically and tune to the channel of your choice at the time you select.
- ◆ Switch off automatically at the time you select.

➤ The first step is to set the television's clock (refer to "Setting and Displaying the Current Time" on page 42).

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**. Press the **ENTER** button.

Result: The options available in the **Setup** group are displayed.

- 3 Press the **▲** or **▼** button to select **Time**. Press the **ENTER** button.

Result: The **Time** menu is displayed with **Clock** selected.

- 4 Press the **▲** or **▼** button to select **On Timer**. Press the **ENTER** button.

Result: The **On Timer** menu is displayed.

- 5 Set the time, channel and volume level at which you wish the set to be switched on.

To...	Press the...
Move to Hour , min , Programme and Volume	◀ or ▶ button
Set Hour , min , Programme and Volume	▲ or ▼ button
Move to Activation	◀ or ▶ button
Select Yes to enable above setting	▲ or ▼ button

Press the **ENTER** button.

- 6 Press the **▲** or **▼** button to select **Off Timer**. In the same way, set the time at which you wish the set to be switched off automatically.










- 7 Press the **EXIT** button to return to normal viewing.

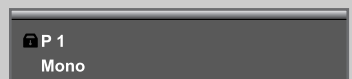
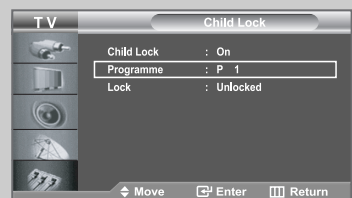
➤ You can also set hour, minute, programm, and volume by pressing the number buttons on the remote control.

Activating the Child Lock

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio. Child Lock cannot be released using the lower-right side panel buttons. Only the remote control can release the Child Lock setting, so keep the remote control away from children.

➤ *This function doesn't work when source is in PC mode or DTV mode.*

- 1 Press the **MENU**  button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER**  button.
Result: The options available in the **Setup** group are displayed.
- 3 Press the **▲** or **▼** button to select **Child Lock**.
Press the **ENTER**  button.
Result: The options available in the **Child Lock** group are displayed.
- 4 Press the **ENTER**  button again.
Result: The **Child Lock** is selected.
- 5 Press the **▲** or **▼** button to select **On**.
Press the **ENTER**  button.
- 6 Press the **▲** or **▼** button to select **Programme**.
Press the **ENTER**  button.
- 7 Press the **▲** or **▼** button to select the channels to lock.
Press the **ENTER**  button.
- 8 Press the **▲** or **▼** button to select **Lock**.
Press the **ENTER**  button.
- 9 Press the **▲** or **▼** button to select **Locked** to lock the channels.
Press the **ENTER**  button.
- 10 Repeat steps **6** and **9** for each channel to be locked or unlocked.
- 11 Press the **EXIT** button to return to normal viewing.



Setting the Blue Screen Mode



If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background.

If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER** button

Result: The options available in the **Setup** group are displayed.

- 3 Press the **▲** or **▼** button to select **Blue Screen**.
Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **On**.
Press the **ENTER** button.

- 5 Press the **EXIT** button to return to normal viewing.

Selecting the Melody



You can hear melody sound when the television is powered on or off.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER** button

Result: The options available in the **Setup** group are displayed.








- 3 Press the **▲** or **▼** button to select **Melody**.
Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **On**.
Press the **ENTER** button.

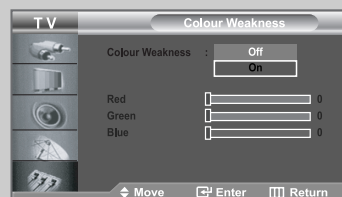
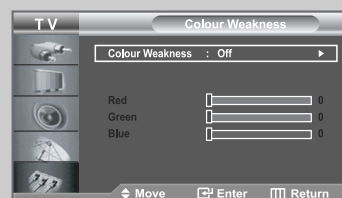
- 5 Press the **EXIT** button to return to normal viewing.

Colour Weakness

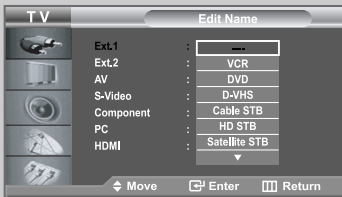
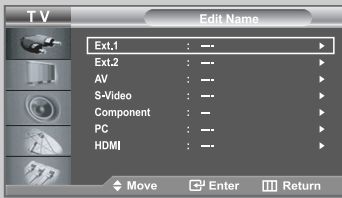
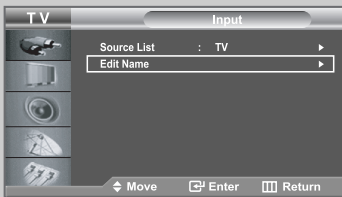
Colour Weakness is a feature that enables those with a Colour Weakness to view images as those with normal colour vision do. The feature provides nine different colour adjustment layers each for red, green and blue.

- 1 Press the **MENU**  button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER**  button.
Result: The options available in the **Setup** group are displayed.
- 3 Press the **▲** or **▼** button to select **Colour Weakness**.
Press the **ENTER**  button.
- 4 Press the **ENTER**  button.
Press the **▲** or **▼** button to select **On**.
- 5 Press the **ENTER**  button.
Press the **▲** or **▼** button to select **Red, Green, and Blue**.
Press the **ENTER**  button.
- 6 Press the **◀** or **▶** button to adjust the **Colour Weakness**.
- 7 When you are satisfied with the setting, press the **MENU**  button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ This function doesn't work when source is in PC mode.



Selecting a Device from External Sources





Your set enables you to choose which audio/video signals are output to the external connector.

- 1 Press the **MENU** button.
Press the **ENTER** button to select **Input**.
Result: The options available in the **Input** group are displayed.
- 2 Press the **ENTER** button.
Result: The options available in the **Source List** menu are displayed.
➤ When no external device is connected to your set, only **TV**, **DTV**, **Ext.1**, **Ext.2** are activated in the **Source List**. **AV**, **S-Video**, **Component**, **PC**, **HDMI** are activated only when they are connected to your set.
- 3 Select the required device by pressing the **▲** or **▼** button.
Press the **ENTER** button.
- 4 Repeat step 1.
Press the **▲** or **▼** button to select **Edit Name**.
Press the **ENTER** button.
Result: The options available in the **Edit Name** menu are displayed.
- 5 Select the device that you wish to edit by pressing the **▲** or **▼** button.
The following options are available:
Ext.1 - Ext.2 - AV - S-Video - Component - PC - HDMI
- 6 Press the **ENTER** button.
- 7 Select the required device by pressing the **▲** or **▼** button repeatedly.
Press the **ENTER** button.
Result: The following options are available:
---- - VCR - DVD - D-VHS - Cable STB - HD STB
- Satellite STB - AV Receiver - DVD Receiver - Game
- Camcorder - DVD Combo - DHR - PC
- 8 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ DHR: DVD HDD Recorder

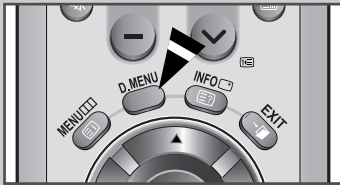
Viewing Pictures from External Sources

Once you have connected up your various audio and video systems, you can view the different sources by selecting the appropriate input.

- 1 Check that all the necessary connections have been made.
 - 2 Press the **SOURCE** button.
Result: The edited device and audio status are displayed on top-left of the set.
 - 3 Press the **SOURCE** button until the required input source is selected.
 - If you change the external source while viewing, pictures might take a short period of time to be switched.
- **TV** mode can be selected by pressing the **TV** or / button on the remote control but you cannot select it by pressing the **SOURCE** button.
In addition, **DTV** mode can not be selected by the **SOURCE** button but by the **DTV** button.



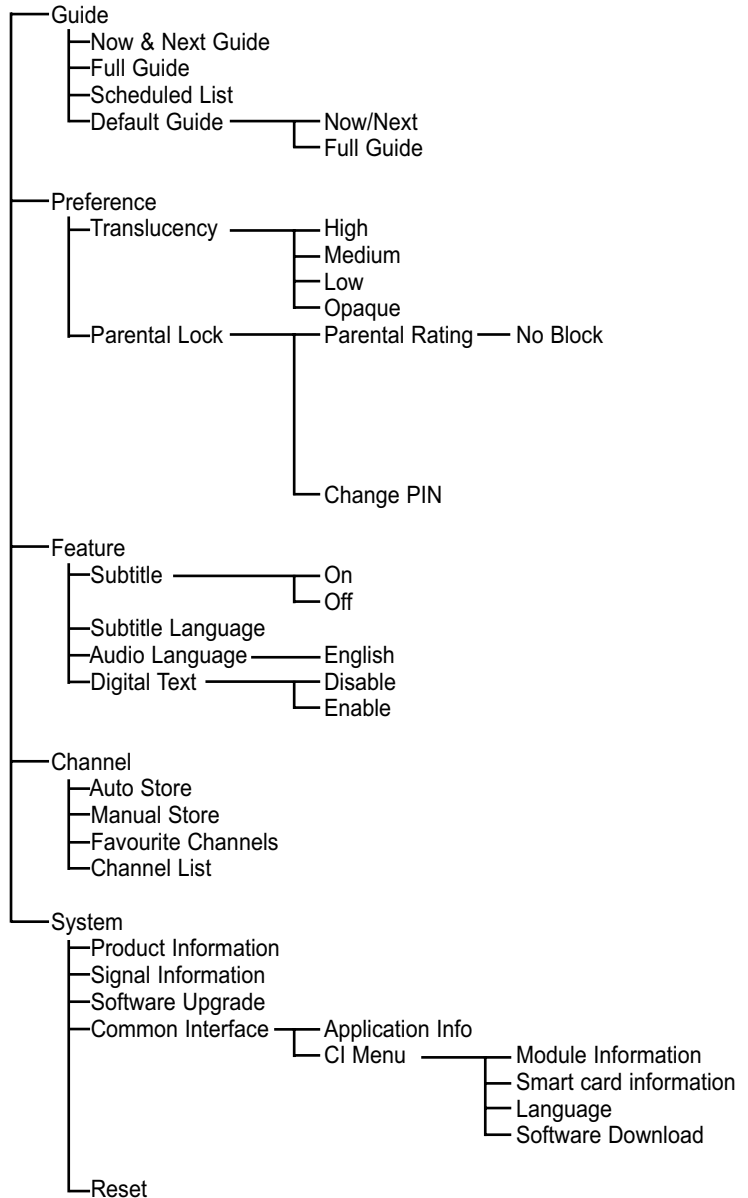
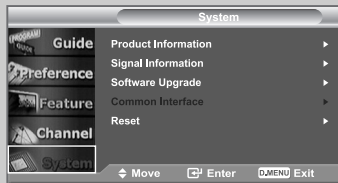
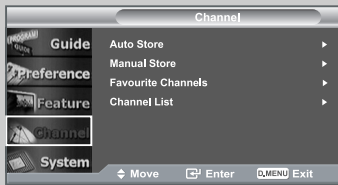
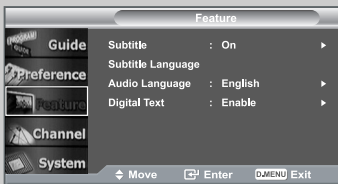
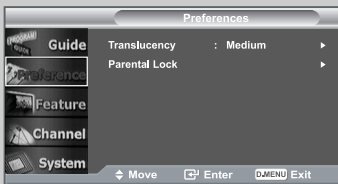
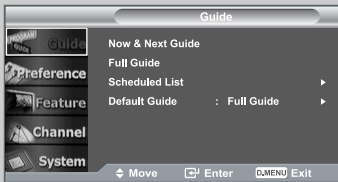
Previewing the DTV Menu System



To help you navigate around the on-screen menu system and adjust the various settings available, refer to the following illustration.

➤ Available in the Digital TV mode.

Press the **"D.MENU"** button.



➤ The sub-items of the CI Menu may vary depending on the CAM model.

Updating the Channel List Automatically

You can update the channel list when the broadcaster adds new Services or if you move the TV to a new location.

-
- 1 Press the **D.MENU** button.

Result: The DTV menu is displayed.

-
- 2 Press the ▲ or ▼ button to select **Channel**.

Press the **ENTER** button.

Result: The options available in the **Channel** group are displayed.

-
- 3 Press the **ENTER** button.

Result: The **Auto Store** is selected.

-
- 4 Press the **ENTER** button again to start the search.

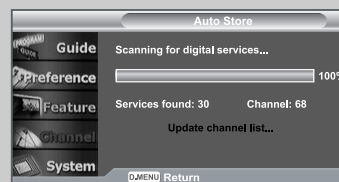
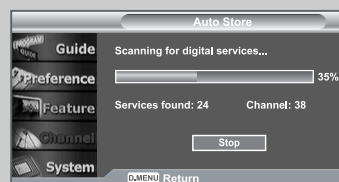
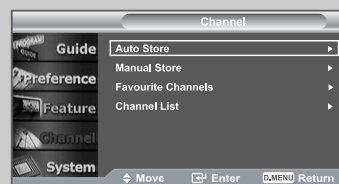
Result: When it has finished, the number of scanned services will be displayed.

➤ ◆ The existing favourite channel list will not be deleted when the channel list is updated.

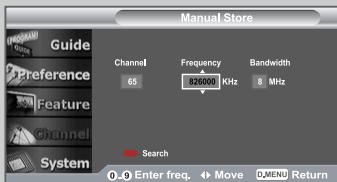
◆ To stop the scan before it has finished, press the **ENTER** button with **STOP** selected.

-
- 5 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ If the signal status is poor, the “**No Service found! Check the aerial connection**” message is displayed.



Updating the Channel List Manually



You can specify the channel or frequency for a fast channel search.

- 1 Press the **D.MENU** button.

Result: The DTV menu is displayed.

- 2 Press the **▲** or **▼** button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Manual store**.

Press the **ENTER** button.

- 5 **To...** **Then...**

Move to **Channel**, **Frequency**, or **Bandwidth** ◀ or ▶ button

Set the **Channel**, **Frequency**, or **Bandwidth** ▲ or ▼ button

- ◆ Channel : Channel "21" to "68" in sequence are displayed in UK.
- ◆ Frequency : The frequency available in the Channel group is displayed.
- ◆ Bandwidth : UHF 8MHz.

- 6 Press the red button to start the scan for digital services.

Result: When it has finished, channels are updated in the channel list.

- 7 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ You can input by pressing the button on the remote control.

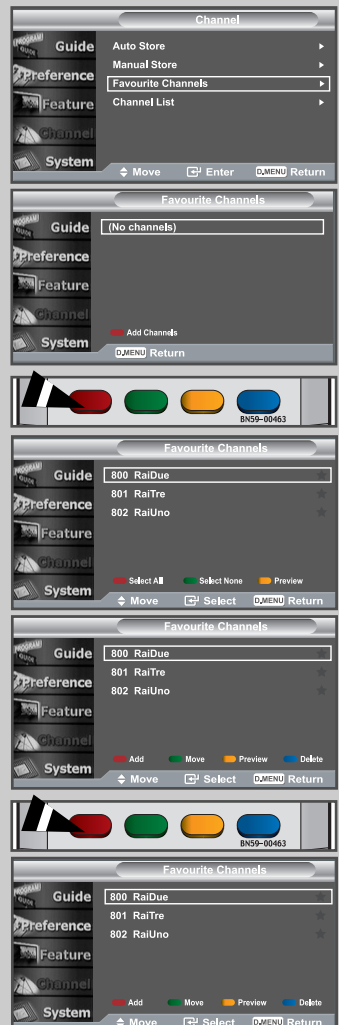
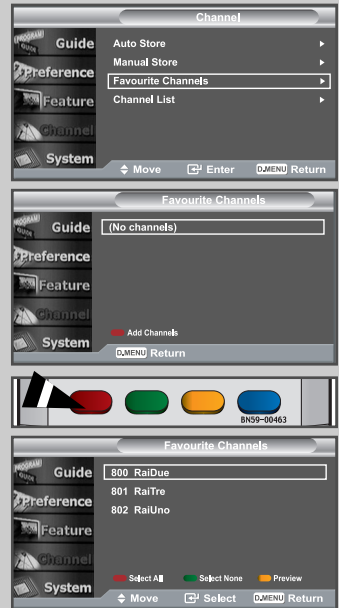
➤ You can not change only Frequency and when changing a channel, the Frequency will be automatically changed.

Editing Your Favourite Channels

You can edit your favourite channels using the four colour buttons.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.
Press the **ENTER** button.
Result: The options available in the **Channel** group are displayed.
- 3 Press the **▲** or **▼** button to select **Favourite Channels**.
- 4 Press the **ENTER** button.
Result: The **Favourite Channels** menu is displayed.

- Press the red button to display all currently stored channels.
- ◆ **Select All**- Select all channels currently displayed.
 - ◆ **Select None**- Deselect all selected channels.
 - ◆ **Preview**- Displays (a) currently selected channel(s).
- The Favorite Channels settings have been completed.

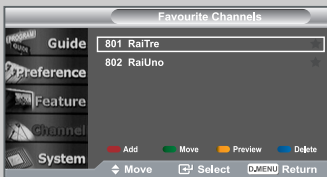
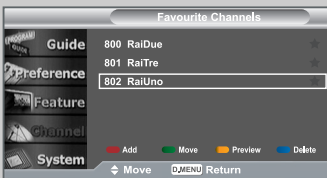
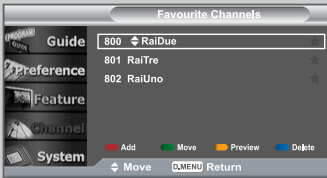
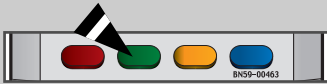


◆ Add

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.
Press the **ENTER** button.
Result: The options available in the **Channel** group are displayed.
- 3 Press the **▲** or **▼** button to select **Favourite Channels**.
- 4 Press the **ENTER** button.
- 5 Press the red button in the **Favourite Channels** menu.
Result: The **Favourite Channels** menu is displayed.
- 6 Press the **▲** or **▼** button to select the required channel.
- 7 Press the **ENTER** button.
Result: A "★" icon is shown next to the selected channel and the channel will be added to the favourite channel list.

-
- ◆ To undo, press the **ENTER** button again.
 - ◆ To add all channels to the favourite channel list, press the red button.
 - ◆ To remove all channels, press the green button.

Editing Your Favourite Channels



◆ Move

- 1 In the **Favourite Channels** menu, select the required channel using the ▲ or ▼ button.
- 2 Press the green button.
Result: A "◆" icon is displayed on the left side of the channel name.
- 3 Press the ▲ or ▼ button to select the channel that you want to move, and press the green or **ENTER** button.
Result: The channel is moved to its new position.

◆ Preview

- 1 In the **Favourite Channels** menu, select the channel to be previewed by pressing the ▲ or ▼ button.
- 2 Press the yellow button.
Result: The selected channel is displayed on the screen.

◆ Delete

- 1 In the **Favourite Channels** menu, select the channel to be deleted from the favourite channels list by pressing the ▲ or ▼ button.
- 2 Press the blue button.
Result: The selected channel and number will be deleted.
➤ To add a deleted channel back in to the favourite channel list, see 'Add' on page 53.

Selecting Channel List

You can exclude the channels you have chosen from the channels you scanned. When you scan through the stored channels, those you have chosen to skip are not displayed.

All channels that you do not specifically chose to skip are displayed during scanning.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.
Result: The options available in the **Channel** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Channel List**. Press the **ENTER** button.
Result: The channel list is displayed.
- 5 Press the **CH.LIST** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



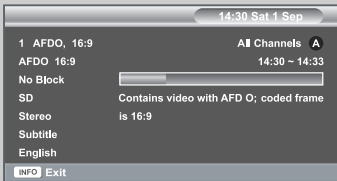
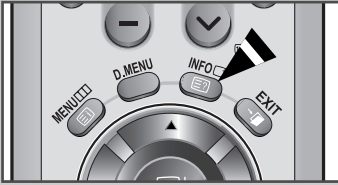
Viewing Channel Lists

You can display a list of all channels or your favourite channels.




- 1 Press the **CH.LIST** button.
Result: The channel list is displayed.
- 2 To toggle between your favourite channels and all channels, use the yellow button.
➤ Your favourite channels are only displayed if they were previously set in the **Favourite Channels** menu. (refer to page 53~54)
- 3 Move to the channel of your choice by pressing the **▲**, **▼**, **◀**, or **▶** button.
- 4 To tune to the selected channel, press the **ENTER** button while the cursor is on the selected channel.
➤ The channel number, name and an icon are displayed in the top left corner while changing the channel. The channel number and name are displayed if the channel is one of the all channels, and a "★" icon if the channel is one of the favourite channels.
- 5 To exit from the channel list, press the **CH.LIST** button.



Displaying Programme Information



While viewing a channel, additional information about the current programme may be displayed.

- 1 While viewing a programme, press the **INFO**  button.
Result: The programme information is displayed.
- 2 To display programme information about other channels, press the **▲** or **▼** button.
- 3 Press the **ENTER**  button to switch over to the channel for which information is displayed.
➤ When **Favourites** is displayed in the top right corner, only those channels in the favourite channel list are displayed.
When **All Channels** is displayed in the top right corner, all channels known may be displayed.
- 4 To exit from banner information, press the **INFO**  button.

Viewing the EPG (Electronic Programme Guide) Information

You can display EPG information at any time while watching digital programmes.

➤ The **EPG (Electronic Programme Guide)** information is provided by the broadcasters. Programme entries may appear blank or out of date as a result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

◆ Now & Next Guide

For the six channels indicated in the left-hand column, displays the Current programme and the Next programme information.

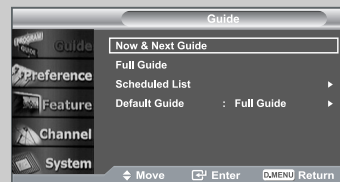
◆ Full Guide

Displays the programme information as time ordered 30 minute segments. One and half hours of programme information is displayed which may be scrolled forwards or backwards in time.

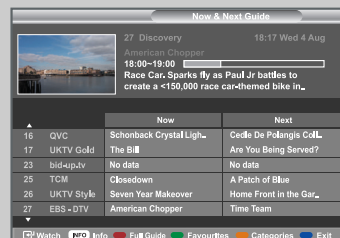
- 1 Press the **D.MENU** button.
Result: The options available in the **Guide** group are displayed.
- 2 Press the **ENTER** button.
- 3 Select the your required guide (**Now & Next Guide** or **Full Guide**) by pressing the ▲ or ▼ button.
- 4 Press the **ENTER** button.
Result: The selected guide menu is displayed.

➤ You can also display the guide menu simply by pressing the **GUIDE** button.

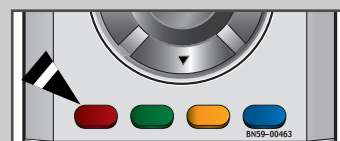
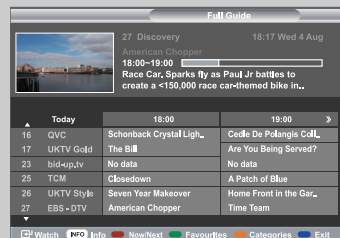
Press the red button to toggle between the **Now & Next Guide** and the **Full Guide**.



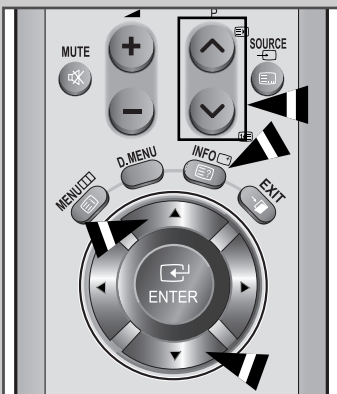
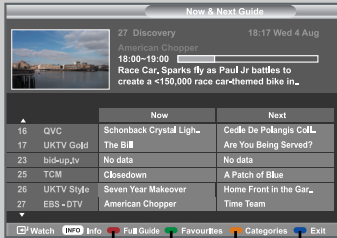
[Now & Next Guide]



[Full Guide]



Viewing the EPG (Electronic Programme Guide) Information



- | 5 | To | Then |
|----------|--|---|
| | Display the Now & Next Guide and the Full Guide | <ul style="list-style-type: none"> ◆ Press the red button. ◆ Press the red button again to toggle between the Now & Next Guide and the Full Guide. |
| | Display the Favourites list and the All Channels list | <ul style="list-style-type: none"> ◆ Press the green button. ◆ Press the green button again to toggle between the Favourites and the All Channels list. |
| | View Categories | ◆ Press the yellow button. |
| | Exit the guide | ◆ Press the blue button. |
| | Watch a programme in the EPG list | <ul style="list-style-type: none"> ◆ Select a programme by pressing the ▲, ▼, ◀, or ▶ button. ◆ Press the ENTER button. |
| | View programme information | <ul style="list-style-type: none"> ◆ Select a programme of your choice by pressing the ▲, ▼, ◀, or ▶ button. ◆ Press the INFO button when programme of your choice is highlighted. |
| 6 | Press the D.MENU button to return to the previous menu or press the EXIT button to return to normal viewing. | |

- ◆ Information such as the channel number, programme title and running time, status bar, and brief summary of the highlighted programme will be displayed in the top right corner of the screen. If there is a lengthy summary, "... " will be displayed. Press the **INFO** button for the full summary text.
- ◆ Six channels are displayed. To scroll between channels, move to a channel using the ▲ or ▼ button. To display page by page, use the P ▲ or P ▼ button.

Using the Scheduled List

If you make a scheduled viewing list of programs you may like to see, the channel will be automatically switched to the scheduled program at the scheduled time even if you are watching another program.

1 Press the **D.MENU** button.
Result: The options available in the **Guide** group are displayed.

2 Press the **ENTER** button.

3 Select the **Scheduled List** by pressing the **▲** or **▼** button.

4 Press the **ENTER** button.

Result: The selected guide menu is displayed.

5 Press the red button.

Result: The channel will be switched to the scheduled program.

6 Press the **◀** or **▶** button to select an item and adjust with the **▲** or **▼** button .

- ◆ Channel: Set the channel.
- ◆ Time: Set the time.
- ◆ Date: Set Year, Month and Day.
- ◆ Frequency: Set the frequency.

7 After setting the schedule, Press the red button.

Result: The schedule will be displayed.

8 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ The Scheduled list may be displayed in the EPG menu.

➤ Save: Save the adjusted schedule.

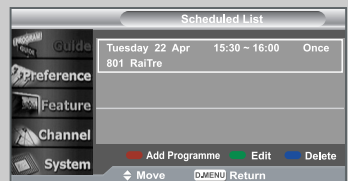
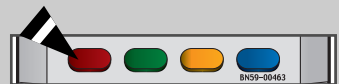
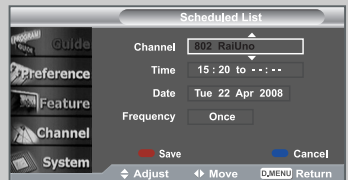
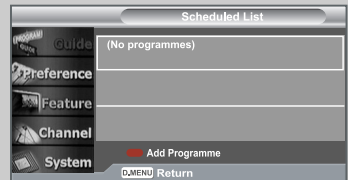
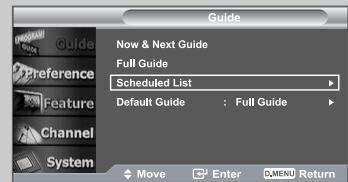
Cancel: Cancel the adjusted schedule.

Add Programme: Add a new schedule.

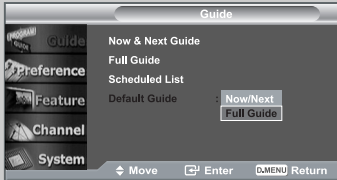
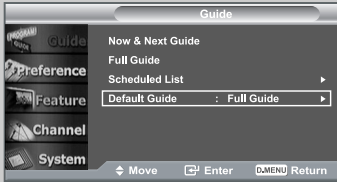
Edit: Re-adjust the selected schedule.

Delete: Delete the selected schedule.

➤ You can also set hour and minute by pressing the number buttons on the remote control.



Setting the Default Guide



You can preset the default guide style.

- 1 Press the **D.MENU** button.

Result: The options available in the **Guide** group are displayed.

- 2 Press the **ENTER** button.

- 3 Select to the Default Guide by pressing the **▲** or **▼** button.

- 4 Press the **ENTER** button.

- 5 Select **Now & Next** or **Full Guide** using the **▲** or **▼** button, and press the **ENTER** button.

Result: The selected option is stored and the preset/default channel list in the EPG menu and channel list will be displayed.

- 6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ You can select these options by simply pressing the **GUIDE** button on the remote control.

Viewing All Channels and Favourite Channels

In the EPG menu, you can display all channels or favourite channels.

- 1 Press the **D.MENU** button.
Result: The options available in the Guide group are displayed.

- 2 Press the **ENTER** button.

- 3 Select the your required guide (**Now & Next Guide** or **Full Guide**) by pressing the **▲** or **▼** button.

- 4 Press the **ENTER** button.
Result: The selected guide menu is displayed.

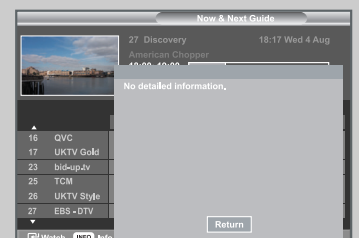
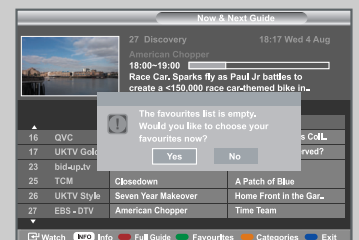
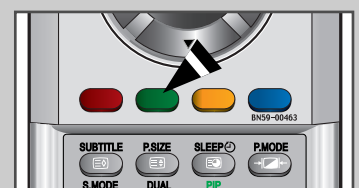
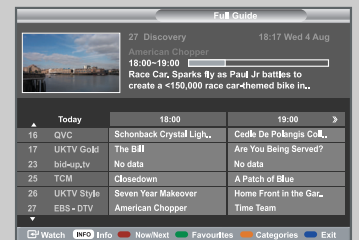
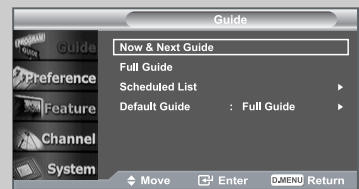
- 5 Press the green button.
Result: The “●” icon for all channels and the “★” icon for favourite channels are displayed in the top right corner of the screen.
➤ To toggle between the all and favourite channels list, press the green button again.

- 6 Select a programme of your choice by pressing the **▲**, **▼**, **◀**, or **▶** button.

- 7 Press the **INFO** button to display information about the highlighted programme.
Result: Available programme information is displayed.

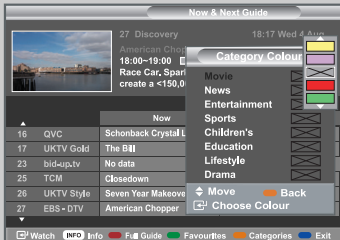
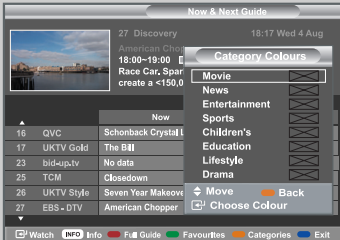
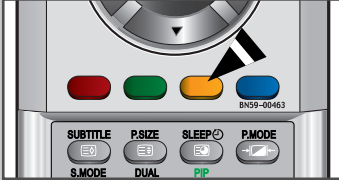
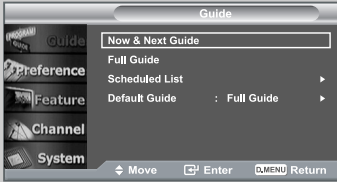
- 8 When the favourite channel list has not been set up:
 - ◆ “The favourites list is empty. Would you like to choose your favourites now?” message is displayed.
 - ◆ Select “**Yes**”.
Result: The **Favourite Channels** menu is displayed.
If you select “No”, all channels will remain unchanged.
 - ◆ To edit the favourite channels, refer to page 53~54 for more details.

- 9 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



- ◆ **All Channels** is the list of channels that have been scanned by the channel list update. All channels are displayed in the all channel mode.
- ◆ **Favourites** (favourite channels) is the list of channels that has been set in the **Favourite Channels** menu (refer to page 53~54).

Selecting Category Colours



You can change the colours for Categories.

- 1 Press the **D.MENU** button.
Result: The options available in the **Guide** group are displayed.

- 2 Press the **ENTER** button.
Result: The selected guide menu is displayed.

- 3 Select the your required guide (**Now & Next Guide** or **Full Guide**) by pressing the **▲** or **▼** button.
Result: A pop up screen that enables you to select category colours is displayed.

- 4 Press the **ENTER** button.
Result: The selectable colours are displayed on the right side of the screen.

- 5 Press the yellow button.
Result: The colour selected for a category is stored and the colours for the programme slots of the **EPG** will change to that selection.

- 6 Select a category by pressing the **▲** or **▼** button.
Result: The colour selected for a category is stored and the colours for the programme slots of the **EPG** will change to that selection.

- 7 Press the **ENTER** button to change the setting.
Result: The colour selected for a category is stored and the colours for the programme slots of the **EPG** will change to that selection.

- 8 Press the **ENTER** button to change the setting.
Result: The colour selected for a category is stored and the colours for the programme slots of the **EPG** will change to that selection.

- 9 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

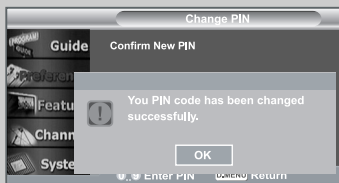
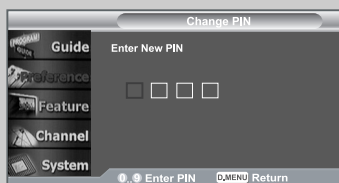
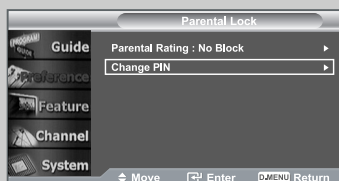
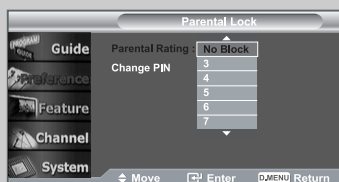
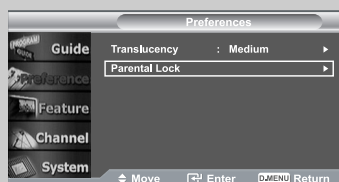
Adjusting the Translucency Level

You can set the translucency of menu.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Preference**.
Result: The options available in the **Preference** group are displayed.
- 3 Press the **ENTER** button.
- 4 Select the **Translucency** by pressing the **▲** or **▼** button, and press the **ENTER** button.
Result: The options of the selected menu available are displayed.
- 5 Select the required option by pressing the **▲** or **▼** button, and press the **ENTER** button to change the setting.
- 6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



Setting up the Parental Lock






This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by a 4-digit PIN (Personal Identification Number) code that is defined by the user. The on-screen menu will instruct you to assign a PIN code (you can change it later, if necessary).

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Preference**.
Result: The options available in the **Preference** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Parental Lock**. Press the **ENTER** button.
Result: The **Enter PIN** is displayed.
- 5 Enter your current 4-digit PIN code by using the numeric buttons (0~9).
Result: The options available in the **Parental Lock** group are displayed with the **Parental Rating** selected.
 - ◆ The default PIN code for a new TV set is **0000**.
 - ◆ If you enter an invalid PIN code, the **Invalid PIN code. Please try again.** message is displayed.
- 6 Press the **ENTER** button.
- 7 Press the **▲** or **▼** button to select the age rating you want to lock out. Press the **ENTER** button.
- 8 If you want to change the PIN code, select **Change PIN** by pressing the **▲** or **▼** button. Press the **ENTER** button.
Result: The **Enter New PIN** is displayed.
- 9 Enter your new PIN code by using the numeric buttons (0~9).
Result: The **Confirm New PIN** is displayed.
- 10 Re-enter your new PIN code to confirm by using the numeric buttons (0~9).
Result: The **Your PIN code has been changed successfully** message is displayed.
- 11 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ If you forget the PIN code, press the remote control buttons in the following sequence, which resets the PIN to **0-0-0-0** : **POWER** (Off), **MUTE**, **8**, **2**, **4**, **POWER** (On)

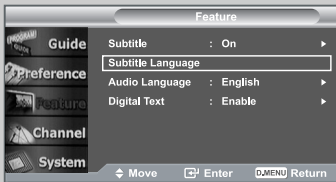
Setting the Subtitle

You can activate or deactivate the subtitle.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Feature**.
Result: The options available in the **Feature** group are displayed.
- 3 Press the **ENTER**  button.
- 4 Press the **ENTER**  button.
- 5 Select **On** by pressing the **▲** or **▼** button.
Press the **ENTER**  button.
- 6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



Selecting the Preferred Language (Subtitle or Audio)

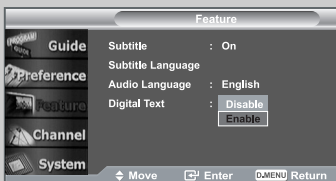
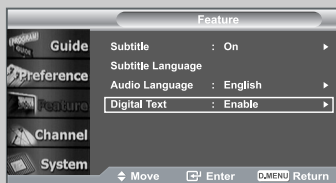


*You can change the default value for subtitle and audio languages.
Displays the language information for the incoming stream.*

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Feature**.
Result: The options available in the **Feature** group are displayed.
- 3 Press the **ENTER** button.
- 4 Select your required menu (**Subtitle Language** or **Audio Language**) by pressing the **▲** or **▼** button, and press the **ENTER** button.
Result: The options of the selected menu available are displayed.
- 5 Select the required option (**English**) by pressing the **▲** or **▼** button, and press the **ENTER** button to change the setting.
➤ **English** is the default in cases where the selected language is unavailable in the broadcast.
- 6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ **While viewing a programme, the subtitle can be selected.
While viewing a programme, audio languages can be selected.**

Setting the Digital Text



If the programme is broadcast with digital text, this feature is enabled.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Feature**.
Result: The options available in the **Feature** group are displayed.
- 3 Press the **ENTER** button.
- 4 Select to the **Digital Text** by pressing the **▲** or **▼** button, and press the **ENTER** button.
- 5 Select **Disabled** or **Enabled** by pressing the **▲** or **▼** button.
- 6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ **MHEG**(Multimedia and Hypermedia Information Coding Experts Group) An International standard for data encoding systems used in multimedia and hypermedia. This is at a higher level than the MPEG system which includes data-linking hypermedia such as still images, character service, animation, graphic and video files as well as multimedia data. MHEG is user runtime interaction technology and is being applied to various fields including VOD (Video-On-Demand), ITV (Interactive TV), EC (Electronic Commerce), tele-education, tele-conferencing, digital libraries and network games.

Viewing Product Information

You can view your product information. For service or repair, please contact a Samsung approved dealer.

1 Press the **D.MENU** button.

Result: The DTV menu is displayed.

2 Press the **▲** or **▼** button to select **System**.

Result: The options available in the **System** group are displayed.

3 Press the **ENTER** button.

Result: The **Product Information** menu is selected.

4 Press the **ENTER** button.

Result: The Product Information menu is selected.

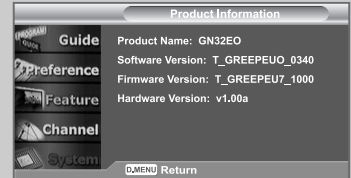
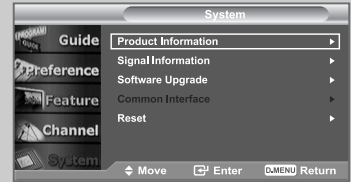
- **Product Name**

- **Software Version**

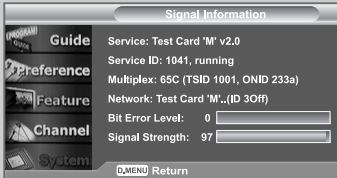
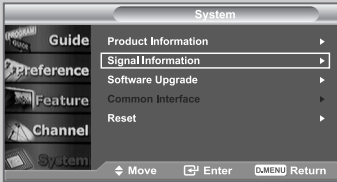
- **Firmware Version**

- **Hardware Version**

5 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



Checking the Signal Information



You can get information about the signal status.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the ▲ or ▼ button to select **System**.
Result: The options available in the **System** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the ▲ or ▼ button to select **Signal Information**, and press the **ENTER** button.
Result: The technical information for signal status is displayed.
- 5 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ If the signal status is poor, the **"No signal."** message is displayed.

Upgrading the Software (Option)

To keep your product up-to-date with new Digital Television features then software upgrades are periodically broadcast as part of the normal Television signal. It will automatically detect these signals and display the software upgrade banner. You are given the option to install the upgrade.

◆ Upgrade Now

If you select **Upgrade Now**, the iDTV immediately installs the new upgrade and then restarts.

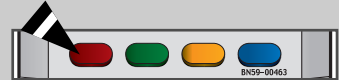
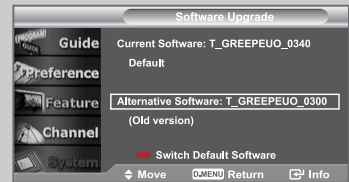
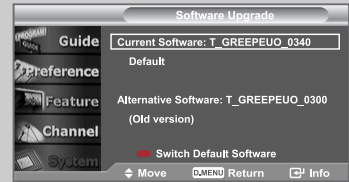
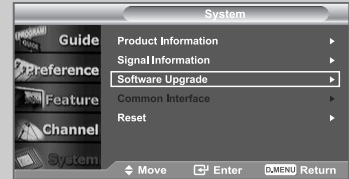
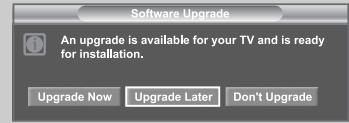
◆ Upgrade Later

If you select **Upgrade Later**, the upgrade is postponed until the next restart or channel change some 90 minutes later, when the upgrade dialog appears again.

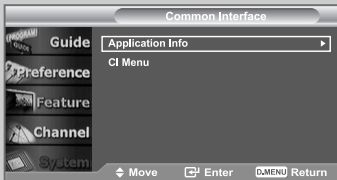
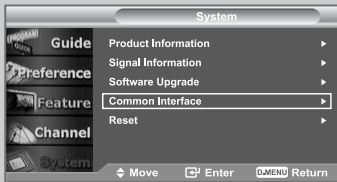
◆ Don't Upgrade

If you select **Don't Upgrade**, the iDTV does not perform the upgrade and the software upgrade banner is not displayed again. The upgrade is still stored internally, to subsequently upgrade to the new version then the following sequence of steps are performed.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the ▲ or ▼ button to select **System**.
Result: The options available in the **System** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the ▲ or ▼ button to select **Software Upgrade**, and press the **ENTER** button.
Result: The software upgrade information is displayed.
- 5 To switch to an alternative version, press the red button. Press the blue button to reset, activate the upgrade and restart.
- 6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



Viewing Common Interface



This contains information on CAM inserted in the CI slot and displays it.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **System**.
Result: The options available in the **System** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Common Interface**.
Press the **ENTER** button.
- 5 Press the **ENTER** button to display the information for your application.
- 6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

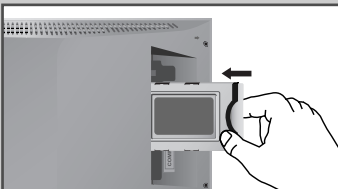
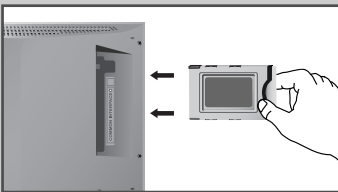
➤ The Application Info inserting is about the CI card.

➤ You can install the CAM anytime whether the TV is ON or OFF.

1. Purchase the CI CAM module by visiting your nearest dealer or by phone.
2. Insert the CI card into the CAM in the direction of the arrow until it fits.
3. Insert the CAM with the CI card installed into the common interface slot.

Note: Insert the CAM in the direction of the arrow, right up to the end so that it is parallel with the slot.

4. Check if you can see a picture on a scrambled signal channel.

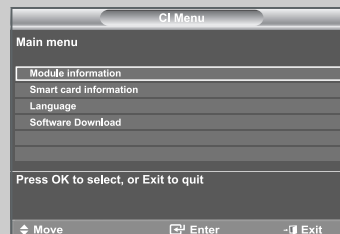
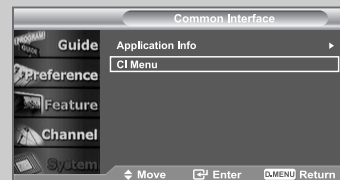
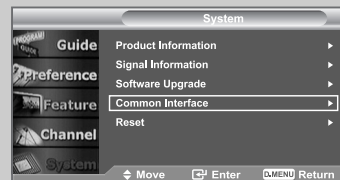


Selecting the CI (Common Interface) Menu

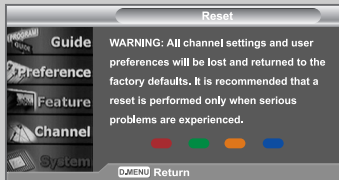
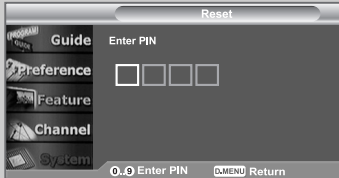
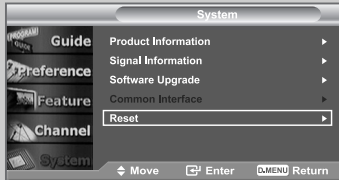
This enables the user to select from the CAM-provided menu.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **System**.
Result: The options available in the **System** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Common Interface**.
Press the **ENTER** button.
Result: The technical information for signal status is displayed.
- 5 Select to **CI Menu** by pressing the **▲** or **▼** button, and press the **ENTER** button.
Result: The options of the selected menu available are displayed.
- 6 Select the required option by pressing the **▲** or **▼** button, and press the **ENTER** button.
- 7 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ Select the CI Menu based on the menu PC Card.





Resetting



You can reset the values stored to the factory default values.

- The Reset operation deletes all channel information and user preferences returning all values to their default factory state.

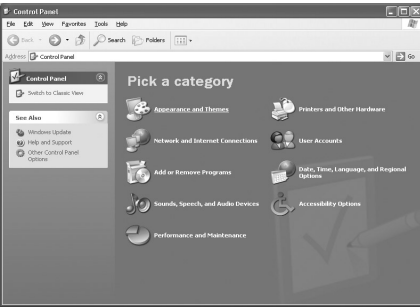
- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **System**.
Result: The options available in the **System** group are displayed.
- 3 Press the **ENTER**  button.
- 4 Press the **▲** or **▼** button to select **Reset**, and press the **ENTER**  button.
Result: The **Enter PIN** screen will appear.
- 5 Enter your current 4-digit PIN code by using the numeric buttons (0~9).
Result: The warning message is displayed. All values will be reset by pressing the coloured buttons (red, green, yellow, and blue) in turn.
- 6 Press the **D.MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Setting up Your PC Software (Based on Windows XP)

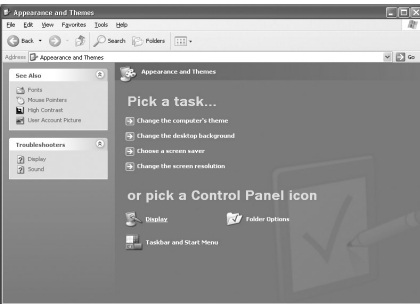
The Windows display-settings for a typical computer are shown below. But the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)



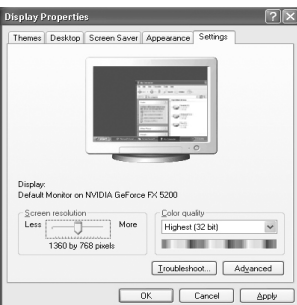
1 First, click on “Control Panel” on the Windows start menu.



2 When the control panel window appears, click on “Appearance and Themes” and a display dialog-box will appear.



3 When the control panel window appears, click on “Display” and a display dialog-box will appear.

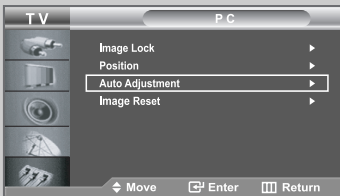


4 Navigate to the “Settings” tab on the display dialog-box. The correct size setting (resolution)
- Optimum: 1360 X 768

If a vertical-frequency option exists on your display settings dialog box, the correct value is “60” or “60 Hz”. Otherwise, just click “OK” and exit the dialog box.

*See “Display Modes” on page 89.

Adjusting the PC Screen Automatically



Auto Adjustment in Progress.
Please wait.

Auto adjustment allows the PC screen of set to self-adjust to the incoming PC video signal.

The values of fine, coarse and position are adjusted automatically.

➤ After selecting PC mode, follow the instruction.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER** button

Result: The options available in the **Setup** group are displayed.

- 3 Press the **▲** or **▼** button to select **PC**.
Press the **ENTER** button.

Result: The options available in the **PC** menu are displayed.

- 4 Press the **▲** or **▼** button to select **Auto Adjustment**.
Press the **ENTER** button.

Result: As the black screen appears, you will see the "Auto Adjustment in progress. Please wait" message, the screen quality and position are automatically adjusted.

Coarse and Fine Tuning of the Image

The purpose of picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (coarse) and Fine-tune again. After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.

➤ After selecting PC mode, follow the instruction.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the ▲ or ▼ button to select **Setup**.
Press the **ENTER** button.

Result: The options available in the **Setup** group are displayed.

- 3 Press the ▲ or ▼ button to select **PC**.
Press the **ENTER** button.

Result: The options available in the **PC** menu are displayed.

- 4 Press the **ENTER** button again.

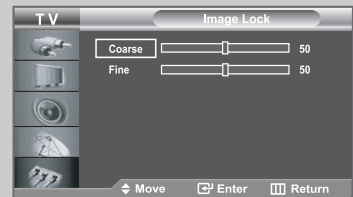
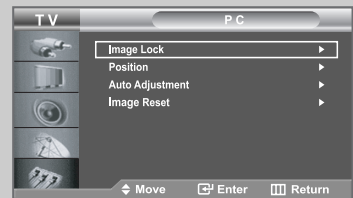
Result: The **Image Lock** menu is selected.

- 5 Press the ▲ or ▼ button to select **Coarse** or **Fine**.
Press the **ENTER** button.

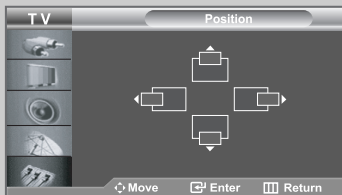
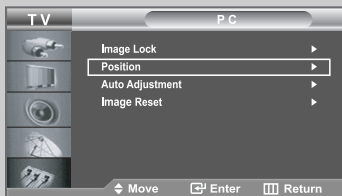
Result: The horizontal bar is displayed.

- 6 Press the ◀ or ▶ button to adjust the screen quality.
➤ Vertical stripes may appear or the picture may become blurry.

- 7 When you are satisfied with the settings, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



Changing the Image Position



➤ After selecting PC mode, follow the instruction.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER** button.

- 3 Press the **▲** or **▼** button to select **PC**.
Press the **ENTER** button.

Result: The options available in the **PC** menu are displayed.

- 4 Press the **▲** or **▼** button to select **Position**.
Press the **ENTER** button.

Result: You can adjust the image **Position**.

- 5 Press the **◀** or **▶** button to adjust horizontal position.
Press the **▲** or **▼** button to adjust vertical position.

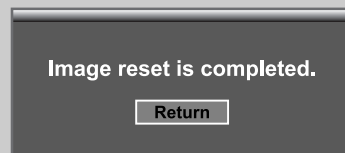
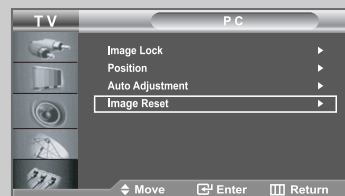
- 6 Press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Initializing the Image Settings

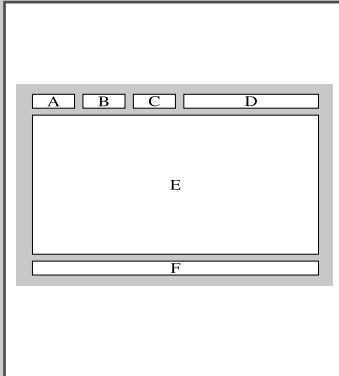
You can replace all image settings with the factory default values.

➤ After selecting PC mode, follow the instruction.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.
Press the **ENTER** button.
- 3 Press the **▲** or **▼** button to select **PC**.
Press the **ENTER** button.
Result: The options available in the **PC** menu are displayed.
- 4 Press the **▲** or **▼** button to select **Image Reset**.
Press the **ENTER** button.
Result: You can initialize all image setting to the factory default values.
- 5 Press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



Teletext Decoder



Most set channels carry “teletext”, pages of written information that provide information such as:

- ◆ Television programme times.
- ◆ News bulletins and Weather forecasts.
- ◆ Sports results.
- ◆ Subtitles for the hard of hearing.

The teletext pages are organized according to six categories:

Part	Contents
A	Selected page number.
B	Broadcasting station identity.
C	Current page number or search status.
D	Date and time.
E	Text.
F	Status information.

Displaying the Teletext Information



You can display teletext information at any time, but signal reception must be good. Otherwise:

- ◆ Information may be missing.
- ◆ Some pages may not be displayed.

To activate the teletext mode and display the contents page:

- 1 Using the ▲ (⏪) or ▼ (⏩) button, select the channel providing the teletext service.
- 2 Press the **TEXT/MIX** (⏪/⏩) button to activate the teletext mode.
Result: The contents page is displayed. It can be redisplayed at any time by pressing the **MENU** (⏪) button.
- 3 Press the **TEXT/MIX**(⏪/⏩) button again.
Result: The screen will split into two. This Double Teletext feature lets you view the actual broadcast and teletext information separately on the screen.
- 4 Press the **TEXT/MIX**(⏪/⏩) button.
Result: The actual broadcast will be displayed simultaneously with the teletext page on the screen.
- 5 To return to normal viewing, press the **TV** button.
- 6 Press the **TV** button again to exit from the Text display.

➤ If any broken character appears while Text is being viewed, make sure that the Text language is identical with the language in the “Setup” menu mode. If both languages are different, select the same language with the Text language on the “Setup” menu.

Selecting a Specific Teletext Page

Press the number buttons on the remote control to enter the page number directly:

- 1 Enter the three-digit page number listed in the contents by pressing the corresponding numeric buttons.

Result: The current page counter is incremented and the page is then displayed.

- 2 If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the **PRE-CH** (⏮️). Press the **PRE-CH** (⏮️) button again to resume.

- 3 Using the various display options:

To display...	Press the...
◆ Both teletext information and the normal broadcast	TEXT/MIX (⏮️/⏭️)
◆ Hidden text (answers to quiz games, for example)	INFO (ℹ️)
◆ The normal screen	INFO (ℹ️) again
◆ A secondary page, by entering its 4-digit number	SLEEP (⏸️)
◆ The next page	⬆️ (⏮️)
◆ The previous page	⬆️ (⏭️)
◆ Double-size letters in the: <ul style="list-style-type: none"> • Upper half of the screen • Lower half of the screen 	P.SIZE (⏮️/⏭️) <ul style="list-style-type: none"> • Once • Twice
◆ Normal screen	• Three times



Using Fasttext to Select a Teletext Page



The various topics included in the teletext pages are colour-coded, and can be selected by pressing the coloured buttons on the remote control.



- 1 Display the teletext contents page by pressing the **TEXT/MIX** (≡/☒) button.
- 2 Press the coloured button corresponding to the topic that you wish to select (The available topics are listed on the status information line).

Result: The page is displayed with additional colour-coded information that can be selected in the same way.

- | 3 | To display the: | Press the: |
|---|-----------------|---------------|
| | Previous page | Red button. |
| | Next page | Green button. |
- 4 When you have finished, press the **PIP** (☒) button to return to the normal broadcast.

Troubleshooting: Before Contacting Service Personnel

Before contacting Samsung after-sales service, perform the following simple checks. If you cannot solve the problem using the instructions below, note the model and serial number of your set and contact your local dealer.

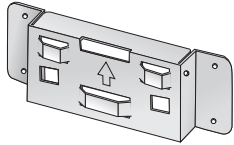
No sound or picture	<ul style="list-style-type: none"> ◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the POWER  buttons on the lower-right side panel. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	<ul style="list-style-type: none"> ◆ Check the volume. ◆ Check whether the MUTE  button has been pressed on the remote control. ◆ Check if "Internal Mute" is off.
No picture or black and white picture	<ul style="list-style-type: none"> ◆ Adjust the colour settings. ◆ Check that the broadcast system selected is correct.
Sound and picture interference	<ul style="list-style-type: none"> ◆ Try to identify the electrical appliance that is affecting the set and move it further away. ◆ Plug your set into a different mains socket.
Blurred or snowy picture, distorted sound	<ul style="list-style-type: none"> ◆ Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.
Remote control malfunctions	<ul style="list-style-type: none"> ◆ Replace the remote control batteries. ◆ Clean the upper edge of the remote control (transmission window). ◆ Check the battery terminals.
"Check signal cable." message is displayed.	<ul style="list-style-type: none"> ◆ Check that the signal cable is firmly connected to the PC or video sources. ◆ Check that the PC or video sources are turned on.
On PC mode, "Not Supported Mode." message is displayed.	<ul style="list-style-type: none"> ◆ Check the maximum resolution and the frequency of the video adapter. ◆ Compare these values with the data in the Display Modes.
The image is too light or too dark.	<ul style="list-style-type: none"> ◆ Adjust the Brightness and Contrast.
On PC mode, horizontal bars appear to flicker, jitter or shimmer on the image.	<ul style="list-style-type: none"> ◆ Adjust the Fine function.
On PC mode, vertical bars appear to flicker, jitter or shimmer on the image.	<ul style="list-style-type: none"> ◆ Adjust the Coarse function and then adjust the Fine function.
On PC mode, screen is black and power indicator light blinks every 1 second.	<ul style="list-style-type: none"> ◆ The TV is using its power management system. ◆ Move the computer's mouse or press any key on the keyboard.
On PC mode, image is not stable and may appear to vibrate.	<ul style="list-style-type: none"> ◆ Check that the display resolution and frequency from your computer or video board is an available mode for your set. On your computer check: Control Panel, Display, Settings. ◆ If the setting is not correct, use your computer utility programme to change the display settings. <p>➤ Your set supports multiscan display functions within the following frequency domain:</p> <p style="margin-left: 40px;">Horizontal frequency(kHz): 30~ 61</p> <p style="margin-left: 40px;">Vertical frequency(Hz): 60~75</p> <p style="margin-left: 40px;">Maximum refresh rate (at 60Hz): 1360 X 768</p>
On PC mode, image is not centered on the screen.	<ul style="list-style-type: none"> ◆ Adjust the horizontal and vertical position.

The TFT LCD panel uses a panel consisting of sub pixels (3,147,264) which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

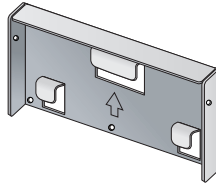
Installing the Wall Mount Kit (LE26R51BD, LE26R41BD)

➤ *This installation is to be used when attaching the wall mount to a concrete wall. When attaching to other building materials, please contact your nearest dealer.*

Components (Sold separately)



a Wall-Bracket



b Set-Bracket



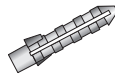
M4 X L15

c Screw: 8EA

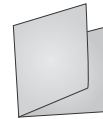


M4 X L20

d Wood Screw: 4EA



e Anchor: 4EA

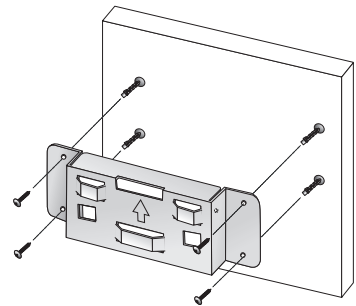


f Installation Guide

How to assemble the Wall Mount Bracket

- 1 ① Mark the location on the wall where the hole will be drilled.
- ② Drill a hole of 35mm depth on the marked location.
- ③ Fix anchors **e** on each hole on the wall.
- ④ Connect wall-bracket **a** to the wall with wood screws **d** after fitting anchors **e** into the wall-bracket **a**.

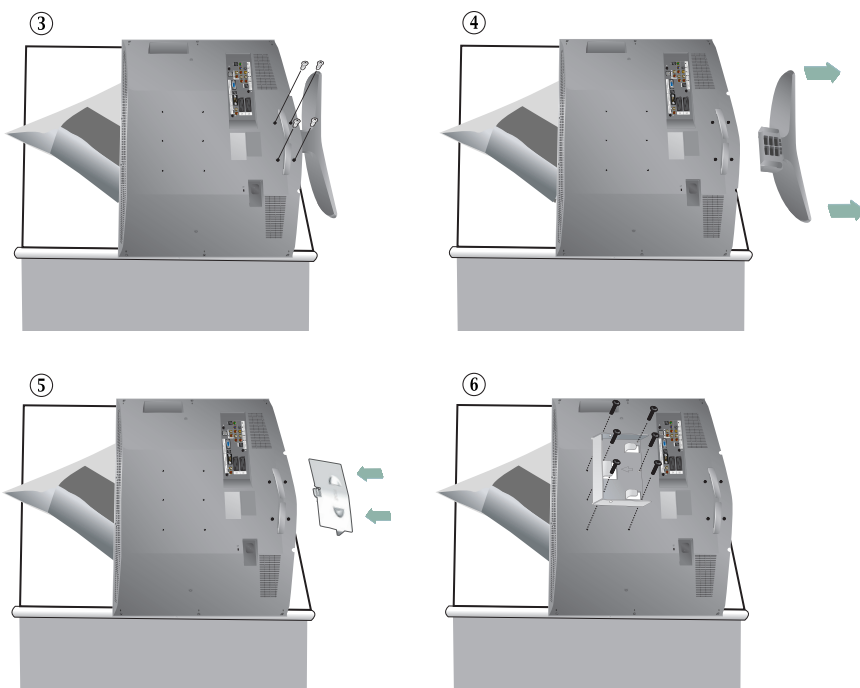
Note: *If the bracket is not firmly fixed to the wall, LCD TV can fall off.*



Installing the Wall Mount Kit (LE26R51BD, LE26R41BD)

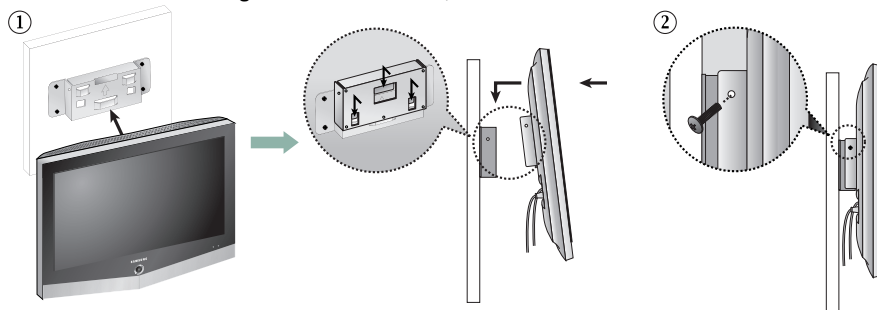
How to assemble the Wall Mount Bracket

- 2 ① Turn the power off and unplug the power cord from the outlet.
- ② Place the TV faced down on a soft cloth or cushion on a table.
- ③ Remove the four screws from the back of the TV.
- ④ Separate the stand from the TV.
- ⑤ Cover the bottom hole with a cap.
- ⑥ Attach the set-bracket **b** onto the rear side of the TV set and secure the screws **c**.



- 3 ① Insert three Hangers of the set-bracket **b** into the grooves of the wall-bracket **a**.
- ② Fix set-bracket **b** and wall-bracket **a** with screws **c**.

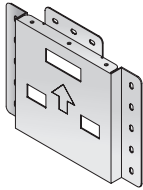
Note: Before installing the set on the wall, connect the cables to the set first.



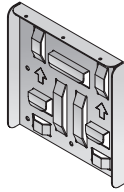
Installing the Wall Mount Kit (LE32R51BD, LE32R41BD)

➤ *This installation is to be used when attaching the wall mount to a concrete wall. When attaching to other building materials, please contact your nearest dealer.*

Components (Sold separately)



a Wall-Bracket



b Set-Bracket



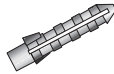
M6 X L14

c Screw: 8EA



M4 X L25

d Wood Screw: 7EA

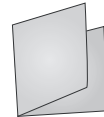


e Anchor: 7EA



M4 X L8

f Screw: 3EA

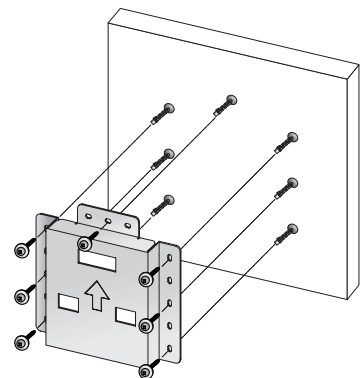


g Installation Guide

How to assemble the Wall Mount Bracket

- 1 ① Mark the location on the wall where the hole will be drilled.
- 2 ② Drill a hole of 35mm depth on the marked location.
- 3 ③ Fix anchors **e** on each hole on the wall.
- 4 ④ Connect wall-bracket **a** to the wall with wood screws **d** after fitting anchors **e** into the wall-bracket **a**.

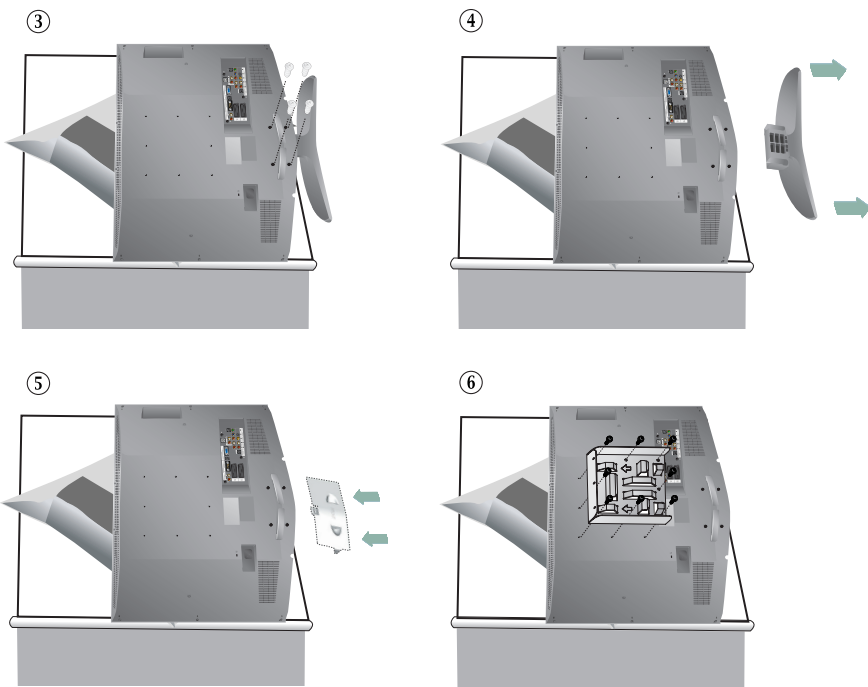
Note: If the bracket is not firmly fixed to the wall, LCD TV can fall off.



Installing the Wall Mount Kit (LE32R51BD, LE32R41BD)

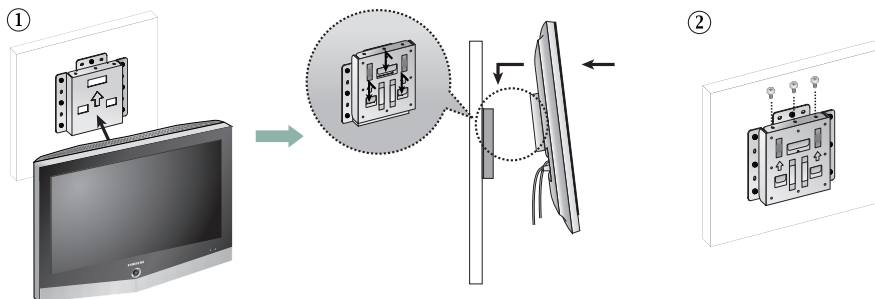
How to assemble the Wall Mount Bracket

- 2 ① Turn the power off and unplug the power cord from the outlet.
- ② Place the TV faced down on a soft cloth or cushion on a table.
- ③ Remove the four screws from the back of the TV.
- ④ Separate the stand from the TV.
- ⑤ Cover the bottom hole with a cap.
- ⑥ Attach the set-bracket **b** onto the rear side of the TV set and secure the screws **c**.

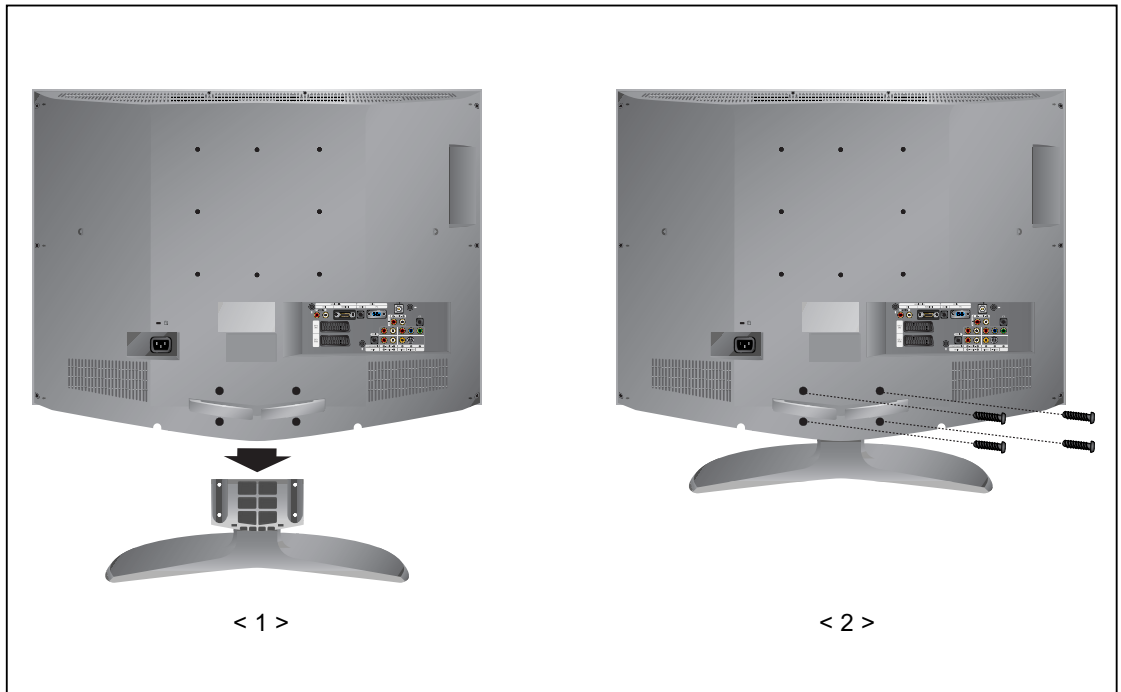


- 3 ① Insert three Hangers of the set-bracket **b** into the grooves of the wall-bracket **a**.
- ② Fix set-bracket **b** and wall-bracket **a** with screws **f**.

Note: Before installing the set on the wall, connect the cables to the set first.



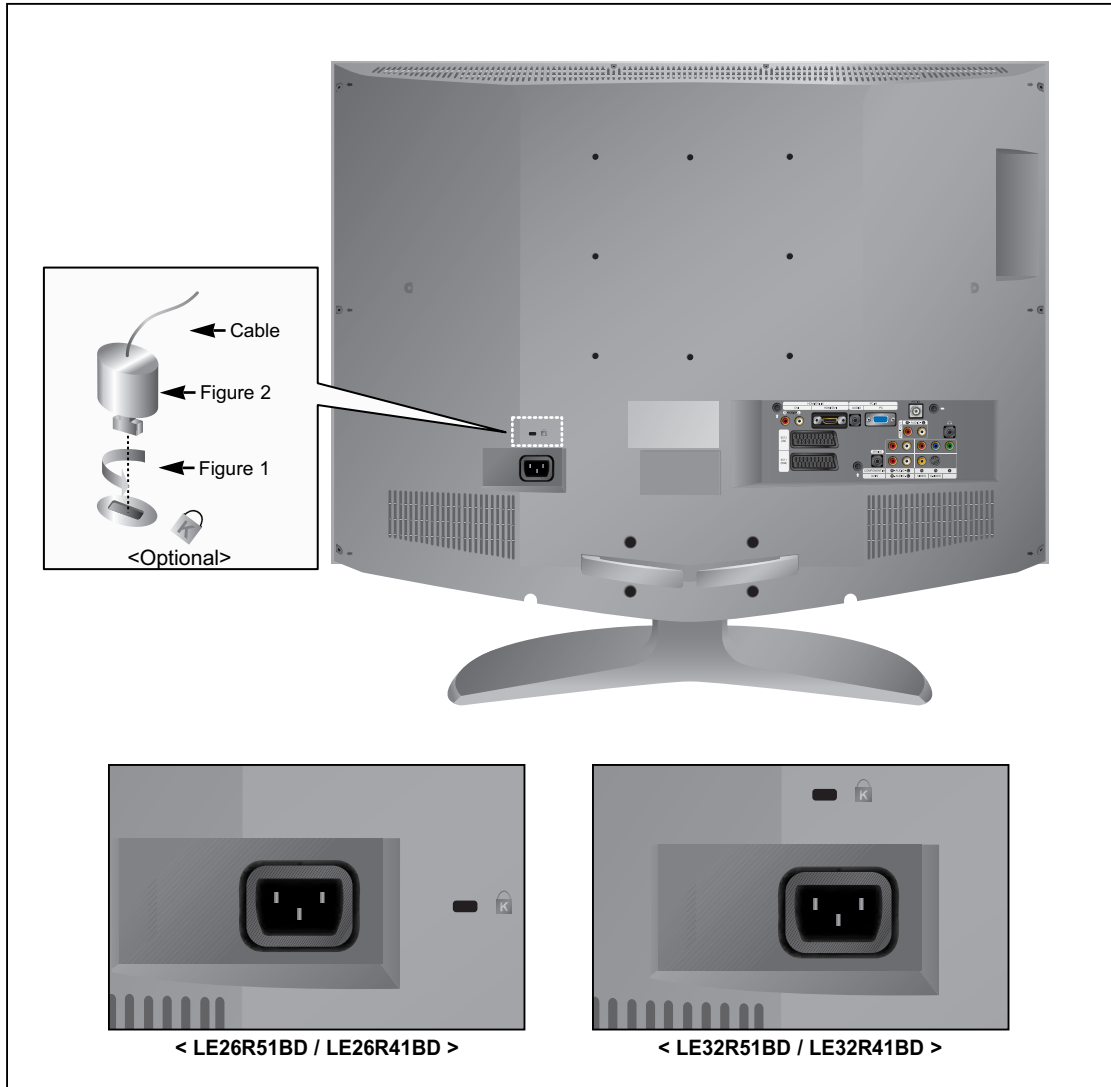
Installing the Stand (LE26R51BD, LE26R41BD, LE32R51BD, LE32R41BD)



1. Lower the TV set in the direction of the arrow and fix the stand.
2. Use the four screws to tightly fix the stand.

Using the Anti-Theft Kensington Lock

The Kensington lock is a device used to physically fix the system when using it in a public place. The locking device has to be purchased separately. The appearance and locking method may differ from the illustration depending on the manufacturer. Please refer to the manual provided with the Kensington lock for proper use.



1. Insert the locking device into the Kensington slot on the LCD TV (Figure 1), and turn it in the locking direction (Figure 2).
2. Connect the Kensington lock cable.
3. Fix the Kensington lock to a desk or a heavy stationary object.

Technical and Environmental Specifications

Model Name	LE26R51BD / LE26R41BD	LE32R51BD / LE32R41BD
Panel		
Size	26" Diagonal (16:9)	32" Diagonal (16:9)
Display Size	575.77(H) x 323.71(V) mm (22.67(H) x 12.74(V) inches)	697.68 (H) x 392.26 (V) mm (27.47 (H) x 15.44 (V) inches)
Type	a-si TFT active matrix	a-si TFT active matrix
Pixel Pitch	0.4215(H) x 0.4215(V) mm (0.0166(H) x 0.0166(V) inches)	0.511 (H) x 0.511 (V) mm (0.0201 (H) x 0.0201(V) inches)
Viewing Angle	170/170 (H/V)	170/170 (H/V)
Resolution	1366 (H) x 768 (V)	1366 (H) x 768 (V)
Frequency		
Horizontal	30 ~ 61 kHz	30 ~ 61 kHz
Vertical	60 ~ 75 Hz	60 ~ 75 Hz
Display Colour	16,777,216 colours	16,777,216 colours
PC Resolution		
Maximum	1360 x 768 @ 60 Hz	1360 x 768 @ 60Hz
Optimum	1360 x 768 @ 60 Hz	1360 x 768 @ 60 Hz
Input Signal		
Sync.	H/V Separate, TTL, P. or N.	H/V Separate, TTL, P. or N.
Video Signal	0.7 Vp-p @ 75 ohm	0.7 Vp-p @ 75 ohm
TV		
Colour System	PAL, SECAM-B/G, D/K, I, I/I, L/L', NTPB (AV3.58, 4.43)	PAL, SECAM-B/G, D/K, I, I/I, L/L', NTPB (AV3.58, 4.43)
Sound System	BG, DK, I, L	BG, DK, I, L
DTV		
Signal Reception		
UHF Cchannel	Channel 21-68 (474-850 MHz) Bandwidth 8MHz	Channel 21-68 (474-850 MHz) Bandwidth 8MHz
Demodulation	DVB-T	DVB-T
DTV		
Video/ Audio Decoding		
Video Decoding	MPEG2 DVB Compliant (Main Profile @ Main Level)	MPEG2 DVB Compliant (Main Profile @ Main Level)
Bit rate	UP to 15Mb/s	UP to 15Mb/s
Resolution	720 x 576 pixels	720 x 576 pixels
Audio Decoding	MPEG-2 Layer I & II	MPEG-2 Layer I & II
Sound Mode	Mono/Stereo	Mono/Stereo
Video		
Colour System	PAL/NTSC/SECAM	PAL/NTSC/SECAM
Video System	CVBS, S-VHS, RGB	CVBS, S-VHS, RGB
SCART 1		
Video Input/Output	1.0 Vp-p @ 75 ohm	1.0 Vp-p @ 75 ohm
RGB Input	0.7 Vp-p @ 75 ohm	0.7 Vp-p @ 75 ohm
Audio Input/Output	500mVrms	500mVrms
SCART 2		
Video Input/Output	1.0 Vp-p @ 75 ohm	1.0 Vp-p @ 75 ohm
Audio Input/Output	500mVrms	500mVrms
Power Supply		
Input	AC 220 ~ 240 V, 60/50 Hz ±3Hz	AC 220 ~ 240 V, 60/50 Hz ±3Hz
Power Consumption		
Maximum	140 W	184 W
Power Saving	<1 W	< 1 W
Dimension (W x D x H)		
Body	662.0 x 94.0 x 497.8 mm (26.06 x 3.70 x 19.598 inches)	797.0 x 99.0 x 592.0 mm (31.38 x 3.898 x 23.31 inches)
With stand	662.0 x 206.0 x 539.0 mm (26.06 x 8.11 x 21.22 inches)	797.0 x 249.0 x 650.7 mm (31.38 x 9.80 x 25.62 inches)

Technical and Environmental Specifications

Model	LE26R51BD / LE26R41BD	LE32R51BD / LE32R41BD
Weight With stand	11.3 kg (24.91 lbs)	17.7 kg (39.02 lbs)
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing	10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Audio Characteristics Audio Input Audio Input (PC) Headphone Output Frequency Response	RCA Jack(L, R), 0.5 Vrms(-9dB) 3.5Ø Stereo Jack, 0.5Vrms (-9dB) Max. 10mW Output (3.5Ø Stereo Jack, 32Ω) RF: 80Hz ~ 15kHz (at -3dB) A/V: 80Hz ~ 20kHz (at -3dB)	RCA Jack (L, R), 0.5Vrms (-9dB) 3.5Ø Stereo Jack, 0.5Vrms (-9dB) Max. 10mW Output (3.5Ø Stereo Jack, 32Ω) RF: 80Hz ~ 15kHz (at -3dB) A/V: 80Hz ~ 20kHz (at -3dB)
Sound Output 3D Surround Stereo	5 W X 2 SRS TrusurroundXT Nicam/A7	10 W X 2 SRS TrusurroundXT Nicam/A3

Display Mode (PC)

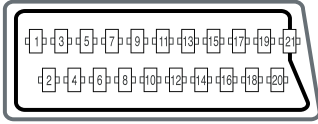
Both screen position and size will vary depending on the type of PC monitor and its resolution.
The table below shows all of the display modes that are supported:

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 x 480	31.469	59.940	25.175	- / -
	720 x 400	31.469	70.087	28.322	- / +
VESA	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	37.879	60.317	40.000	+ / +
	800 x 600	48.077	72.188	50.000	+ / +
	800 x 600	46.875	75.000	49.500	+ / +
	1024 x 768	48.364	60.000	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ / +
	1360 x 768	47.712	60.015	85.800	+ / +

- ◆ The interlace mode is not supported.
- ◆ The set might operate abnormally if a non-standard video format is selected.
- ◆ DVI dose not support PC function.

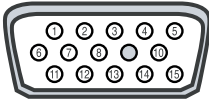
Pin Configurations

SCART Connector



Pin	Signal	Pin	Signal
1	Audio output R	12	-
2	Audio input R	13	Video chassis return (RGB red)
3	Audio output L	14	-
4	Audio chassis return	15	RGB red input
5	Video chassis return (RGB blue)	16	Blanking signal (RGB switching)
6	Audio input L	17	Video chassis return
7	RGB blue input	18	Blanking signal ground
8	Switching voltage	19	Video output
9	Video chassis return (RGB green)	20	Video input
10	AV-Link (Ext 1)	21	Screening/chassis return
11	RGB green input		

PC Input Connector (15Pin)



Pin	Signal	Pin	Signal
1	Red (R)	9	Reserved
2	Green (G)	10	Sync Grounding
3	Blue (B)	11	Grounding
4	Grounding	12	Data (DDC)
5	Grounding (DDC)	13	Horizontal sync.
6	Red (R) Grounding	14	Vertical sync.
7	Green (G) Grounding	15	Clock (DDC)
8	Blue (B) Grounding		

Wiring the Mains Power Supply Plug (UK Only)

◆ **IMPORTANT NOTICE**

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and, if it requires replacing, a fuse approved to BSI1362 of the same rating must be used. Never use the plug with the fuse cover omitted if the cover is detachable.

If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug. Replacement covers are available from your dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance. However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. **DO NOT** connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord.

◆ **IMPORTANT**

The wires in the mains lead are coloured in accordance with the following code:

BLUE - NEUTRAL BROWN - LIVE

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured **BLUE** must be connected to the terminal marked with the letter **N** or coloured **BLUE** or **BLACK**. The wire coloured **BROWN** must be connected to the terminal marked with the letter **L** or coloured **BROWN** or **RED**.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL, WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL, OR COLOURED GREEN OR GREEN AND YELLOW.